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QCWA

JOURNAL



QUARTER CENTURY WIRELESS ASSOCIATION, INC.

QSO PARTY RESULTS - KANSAS CITY FALL CONVENTION

Kansas City, MO. - Mid-Continent Chapter 35 members are working day and night to put together the best and the largest QCWA Convention ever held. Kansas City is centrally located and ideal for membership to reach from any point in the country. The site of the convention is within easy reach of all sorts of shopping, entertainment, food, etc., facilities and we know that you will enjoy not only the fellowship of friends, but the atmosphere that is uniquely tuned to please you. See pages 67-68 in this Journal for more information and registration forms. Please register today - to make life more pleasant for the Committees working for your enjoyment.

Marlboro, MA. - Onie Woodward, QCWA Activities manager announced the results of the 1990 QSO Parties. You'll find the standings of all participants printed in this Journal, Pages 60-62. Thanks go to all who participated, and to those who tallied the results.

Irving, TX. - The QCWA Board held its spring meeting during which it considered items on a heavy agenda. A very brief review of the Board minutes is published on Page 52 of this Journal. A new dues schedule will take effect on January 1, 1991.

Charlottesville, VA. - QCWA President Harry J. Dannals, W2HD will be attending the ARRL National Convention in

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Kansas City in June. He worked with members of Chapter 9 while in attendance at the Dayton Hamvention and signed many new members to QCWA. His schedule of trips for QCWA make us hope that he has a good gardner - he isn't going to be doing much lawn mowing this year.

Freeport, NY - Michael Orofino, W2KO, Chairman of the Nominating Committee seeking a slate of candidates for the general election of officers and directors to be held in the spring of 1991 asks that if you have candidate(s) in mind who can and will serve, if elected, to notify him at once. The Nominating Committee report is due in July, 1990 for the 1991 elections. Nomination by membership petition must be complete and in the hands of QCWA Secretary Swafford by December 31, 1990.

Richardson, TX - Bob Olney, N5NT, Chairman of the Tellers Committee for the 1990 elections reports ballots are coming in very well. Keep 'em coming and vote early! Bob, President of Dallas Chapter 41, with his committee is ready for business!

QCWA ON THE AIR MEETING

SSB, Every Sunday Afternoon

2000 GMT, 14,347 kHz

W6FQ

CW, each Wednesday Evening

8:00 PM Eastern Time, 7035 kHz

W5QU / W4PI

QUARTER CENTURY WIRELESS ASSOCIATION, INC.
1409 Cooper Dr, Irving, TX 75061-5527

QUARTER CENTURY WIRELESS ASSOCIATION, INC.

HONOR AWARDS

QCWA HONOR AWARDS ARE ADMINISTERED BY THE QCWA BOARD OF DIRECTORS

ELIBILITY REQUIREMENTS AND NOMINATIONS FOR THE AWARDS

MAY BE OBTAINED THROUGH ANY OFFICER OR DIRECTOR

QCWA HALL OF FAME

1980	Mr. Ray Meyers, W6MLZ
1981	Mr. Bill Halligan, W9AC
1982	Mr. Barry Goldwater, K7UGA
1983	Mr. Jean-B. Wolff, LX1JW
1984	Mr. Don Wallace, W6AM
1986	Mr. George Sterling, W1AE
1987	Mr. Victor Clark, W4KFC

DISTINGUISHED SERVICE AWARD

1975	Mr. A. L. Walsh, W2BW
1979	Mr. Mark Devaney, K4IDC
1988	Mr. David Talley, W2PF
1989	Mr. Hugh Turnbull, W3ABC
	Mr. Fred Hammond, VE3HC

MEMBER OF THE YEAR AWARD

1979	Mr. Ed Trombley, W8CAM
1981	Mr. Lew Sieck, K4NE
1982	Mr. Herb Gleed, W6FQ
1984	Mr. Bert Gunn, W5FU

ROLL OF HONOR AWARD

1981	Mr. John DiBlasi, W2FX
	Mr. Gus Gironda, W2JE
1985	Mr. Bud Waite, W2ZK
1986	Mr. Earl Thomas, W2MM
	Mr. Ralph Barber, W2ZM
1987	Ms. Ethel Smith, K4LMB
1989	Mr. Leland Smith, W5KL

JOHN Di BLASI AWARD

1984	Mr. Hal Sears, W5NC
1986	Mr. Owen Garriott, W5LFL
1988	Mr. Clarence Seid, W2KW
1989	Mr. Frank Lester, W4AMJ
	Mr. Ralph Hasslinger, W2CVF
	Mr. Irving Groves, K4HT
	Mr. Nat Burnett, K4OL
	Mr. Moe Joffe, W6PHE
	Mr. Robert Baird, W9NN

PRESIDENTIAL AWARD

1988	Mr. John D. Kraus, W8JK
	Mr. Byron H. Goodman, W1DX
	Mr. H. H. Beverage, 2BML
1989	Mr. John Huntoon, W1RW
	Mr. Stewart S. Perry, W1BB
	Mr. M. Walter Maxwell, W2DU
1990	Mr. Bruce L. Kelley, W2ICE



The QCWA JOURNAL

Volume 39

No. 2

QCWA PRESIDENT'S MESSAGE

COMMUNICATIONS! That's a familiar word, isn't it? That's what Amateur Radio is all about, isn't it? A dictionary definition reads as follows: "the act of making oneself understood; an expression of thoughts or opinions; means of passing, or of sending information from one place to another." We do that, don't we? A part of the Basis and purpose of the Amateur Radio Service in our FCC rules states that we are, "... a voluntary noncommercial communication service. ..."

Why then did your QCWA Board of Directors spend time in discussing the question of communications at the 20-21 April Board Meeting in Irving? Simply stated, it was a matter for discussion because we don't always do a good job of communicating, especially when it comes to "passing, or sending information from one source to a recipient." Some of our members are concerned because they think we should designate a specific director to receive communications from a specific area of the country. That's called area representation in simple terms.

However, it is not easy to devise a plan which would satisfactorily divide our membership base by the number of directors and result in some form of "closeness" of communications. Additionally it might not be desirable to "require" that a member communicate only through that single director covering his or her region or area. Let's break the problem, as some members see it, down into a simple solution. All ten directors and four officers are chosen by the membership. You may contact any one of these fourteen to be the recipient of your communications. You may also contact all fourteen with copies to each, if you desire. It is also appropriate for you to address questions or comments to our General Manager at QCWA Headquarters. Ted will forward your information to all members of the Board or selected individuals depending upon the content.

You may feel more comfortable addressing your ideas to a specific Board member. If that is the case, use that avenue for your communications. If you have no particular Board member in mind, you can always address your questions, comments or responses to the president. I will, in turn, forward your information to the committee or individual concerned with the subject.

While the above explanation might seem redundant in today's world of communications technology, please permit me to assure you that "communications: is indeed a problem for individuals, corporate bodies and even national governments. We who serve you without a thought of compensation other than an occasional pat on the back will continue to strive to keep the communications channels open. Please do your part in understanding that volunteers don't always have all the answers, but we will always communicate with you to the best of our ability on issues relating to our QCWA, 73 ...

/s/ Harry, W2HD

1989-1990 QCWA OFFICERS & DIRECTORS

Harry Dannels, W2HD, President	804 974 7388
1800 Bentivar Dr, Charlottesville, VA 22901	
Hugh Winter, W5HD, Vice President	505 884 6545
7010 Phoenix Ave, #509, Albuquerque, NM 87110	
John Swafford, W4HU, Secretary	703 536 9537
2025 Kensington St, Arlington, VA 22205	
Wesley Randles, W4COW, Treasurer	813 870 0867
6002 N Fremont St, Tampa, FL 33604	
Lew McCoy, W1ICP, Director	505 388 4862
200 Idaho St, Silver City, NM 88061	
Stuart Meyer, W2GHK, Director	703 281 3806
2417 Newton St, Vienna, VA 22181	
Pete Backstrom, W3DM, Director	412 327 5396
3505 Meadowgate Dr, Murrysville, PA 15668	
Fred Hammond, VE3HC, Director	519 822 2960
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Jack Kelleher, W4ZC, Director	301 924 1605
612 Ednor Rd, Silver Spring, MD 20904	
Arthur Kay, W5APX, Director	615 684 3554
104 Hampshire, Box 241C, Shelbyville, TN 37160	
El Charlton, W5MD, Director	504 275 5744
1533 Outrigger Dr, Baton Rouge, LA 70816	
Esther Given, W6BDE, Director	415 728 3110
117 La Granada, Moss Beach, CA 94038	
Jim Walsh, W7LVN, Director	503 344 3321
159 E 16th St, Eugene, OR 97401	
Travis Baird, W9VQD, Director	414 352 9642
6815 N Ironwood Ln, Milwaukee, WI 53217	

THOSE WHO HAVE SERVED

PAST PRESIDENTS

John DiBlasi, W2FX*	1947-1964
Earl R. Thomas, W2MM*	1965-1968
Clarence Seid, W2KW	1969-1971
Barry Goldwater, K7UGA	1972-1973
Frank A. Gunther, W2ALS	1974-1977
Harry S. Gartsman, W6ATC	1978-1981
Stuart Meyer, W2GHK	1982-1985
Leland Smith, W5KL	1986-1989

EXECUTIVE SECRETARY/GENERAL MANAGER

Ralph Barber, W2ZM*	1955-1964
Gus Gironda, W2JE	1965-1973
Ethel Smith, K4LMB	1974-1976

*Silent Key

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BOARD MEETING & NATIONAL COMMENT

SUMMARY OF MINUTES

QCWA BOARD MEETING

April 20-21, 1990

Irving, TX

It was moved and unanimously passed that the QCWA file comments to the FCC on PR Docket 90-55 - that we endorse a codeless class of Amateur Radio license. These comments shall include:

- * Retention of the Novice Class license
- * Retention of the Technician Class license without a Morse code requirement, with full privileges above 30 MHz.

A committee was appointed to study a proposal to restructure the present standing committees and utilize a non-board members to serve as committee members. A report shall be submitted for consideration at the October Board meeting in Kansas City.

To assure that the records of QCWA are safe from loss or destruction, authorization was given to the General Manager to purchase necessary backup equipment.

Taking into consideration the continued increase in costs; postage, printing and paper, the Board reluctantly authorized an increase in National Membership dues as noted elsewhere in the Journal. The Board urges members to take advantage of this situation by renewing or extending their membership before the effective date of January 1, 1991. The new dues structure was made public at the Dayton Hamvention.

The Board addressed many additional subjects of general interest to the membership without taking formal action. These included: Chapter Activities; Auditing and Finance, Awards, Conventions, International Activities, Publicity, Scholarships, Operating Activities, 40th Anniversary Yearbook, Museum, Headquarters contingency program, & Field Organization. The Board approved new Chapters 173 and 174 - Golden Triangle Chapter and Wisconsin Badger Chapter respectively.

QCWA ADOPTS NEW DUES SCHEDULE

A new dues structure will become effective on January 1, 1991, when QCWA dues structure will be in accordance with the table below.

Membership term	Dues
1 Year	\$15.00
2 Years	\$25.00
3 Years	\$30.00
Life Membership	\$225.00

A schedule for family memberships, both regular and Life, is being studied and will be presented to the Board for its consideration at Kansas City this fall.

In spite of efforts to reduce waste and duplication, the costs of all services used by QCWA, The U. S. Mails, the printers, the cost of paper, of power, equipment, labor and so forth have continued to rise at levels that each of us see daily in our everyday purchases. QCWA dues were last established in 1983, becoming official on January 1, 1984. The domestic dues schedule has not changed since that time. The present increase is necessary to insure that QCWA continues to be a viable organization.

QUARTER CENTURY WIRELESS ASSOCIATION, INC.

SCHEDULE OF REVENUES AND EXPENSE

1989 BUDGET vs 1989 ACTUAL & 1990 BUDGET

	1989 Budget	1989 Actual	1990 Budget
REVENUES			
Dues, regular - new	\$ 4,700	\$ 9,399	\$ 8,000
Dues, life - new	22,000	22,811	28,000
Dues, regular	18,000	34,166	22,000
Regular life conversions	8,500	8,884	8,500
Entry fee #3.00	2,700	2,657	2,700
Banners	200	110	300
Pins, emblems	5,500	5,426	5,500
Decals, stamps	500	631	600
Certificates	600	395	600
Scholarship donations	5,500	2,427	2,500
Building fund	2,000	1,133	2,000
Caps	1,000	1,031	1,000
Interest income	34,000	31,541	28,000
Dividend income	5,500	11,490	5,500
Hot line report	50	54	50
Prepaid postage	350	85	400
Sale, QCWA News, Roster	300	42	300
Vests		1,133	
Other income	500	722	500
Loss on sale of investment		(6,386)	
Total Revenues	111,900	127,751	116,450
EXPENSES			
DEMOS management fee	24,600	24,600	24,600
QCWA News, printing cost	18,000	23,200	20,000
QCWA News, mailing cost	5,000	6,590	5,000
General postage	2,500	2,558	3,000
Public relations and advertising	2,500	2,146	2,500
General mailing service	2,500	3,408	2,500
Office paper, comp & copier	1,000	781	1,000
FCC reports, Arrl letter	200	472	200
Pins, buttons and banners	3,000	3,511	3,000
Stamps, decals	1,500	1,147	1,500
Office expense and supplies	3,500	2,453	4,000
Bank charges		724	500
Bank charges - credit cards		463	
Telephone	600	767	600
Board meetings (2 meetings per year)	7,000	5,126	7,000
Member contact - Gen. Mgr.			1,000
Board meeting - Gen. Mgr.	800		800
Stationery and printing	2,000	3,620	2,000
Secretary (phone, postage and copies)	600	1,166	600
Treasurer (phone, postage and copies)	\$ 450	\$ 473	\$ 450
Vice President (phone, postage and copies)	300	399	400
President (phone, postage and copies)	1,000	909	1,000
Directors (10 directors \$100 each)	1,000	248	1,000
Scholarship awards	5,250	5,250	5,250
Election expense 1989	1,600	2,840	2,000
Roster	8,000		8,000
Hot Line, printing	400	284	300
Depreciation expense	3,000	4,361	3,000
DEMOS office assistance	7,300	9,093	7,300
Miscellaneous expense	300	892	300
Activities manager expense	100	305	100
Legal and accounting	4,000	4,055	4,000
Legal and accounting - nonrecurring		4,375	
Office equipment maintenance	2,000	1,256	2,000
QCWA caps	1,000	114	1,000
Vests		1,622	
Taping for the blind	200		100
Total Expenses	111,200	119,208	116,000
EXCESS OF REVENUES OVER EXPENSES	\$ 700	\$ 8,543	\$ 450



EDITOR'S COMMENT & MAILBAG

THERE'S SO MUCH COMING, SO FAST!

We have again cursed our stubbornness for not attending the Dayton Hamvention. By all accounts it was a truly outstanding session. A sounding board for future amateur activities and for amateurs who are and expect to remain in the mainstream, a must.

QCWA President Harry Dannals, W2HD together with a number of Dayton/Cincinnati Chapter 9 members as well as members who came in from all parts of the country, held forth at the QCWA booth and again, enrolled many new members as well as providing information and service to members who were re-instating, or simply wishing to drop in for a visit.

As it has done for many years, the Hamvention Committee has provided the annual forum for old and new amateur activities. We have just completed reading of the beginning of DSP technology -- the use of special microprocessors which convert analog signals into digital then process the digital information and return the processed information back into analog so that the human brain can comprehend.

We here are not competent to describe the possibilities of this technology but, we are here to advise you to become aware of the imminent effect it will have on amateur radio. If you expect to operate into the 21st century, then begin your awareness of the advances being made at this point - you have the opportunity to grow with the times. Many of us old timers can easily remember 1950 and the first transistors, and now regret our lack of fore-sight, and wish that we had gotten in on the ground-floor of learning of solid-state technology. Don't let yourself be by-passed again!

From the W5YI report (05/15/90) "We were impressed by HAM-PUTE, a magazine for amateur DSP that made its debut at Dayton. According to the publisher, Dick Blasco/NX6R, 'Amateur Radio is never going to be the same again. DSP will do for us what the microprocessor has done for the rest of the planet.at last we will be freed from the 'want a new feature? by a new radio' juggernaut. We will trade in our soldering irons and electric drills for keyboards and soft panels. We will be able to experiment with, and modify our equipment again. Make a Mistake? Just hit the reset button and all is like new.' NX6R says that DSP will bring a new era where 'hams will be hams again'.

The first issue of HamPute investigates the DSP features of the Kenwood TS-950SD. (It also offers an outstanding tutorial on DSP sampling that streamlines the math and theory for amateur use. The publication is \$10 per year (bimonthly) from HamPute, PO Box 6797, Auburn, CA 95604.

While we are talking about new things we have been pleasantly surprised by issuance of the "Premier Edition" of the english version of RADIOSCAN magazine. We were alerted to this by 'Mr. QCWA, Ralph Cabanillas, Jr., W6IL', who continues his dedication to QCWA by continual work for our advancement. RADIOSCAN is a fine publication - we have spent a good deal of time looking at every page, reading everything presented. It truly has something for everyone. It is fresh in appearance, attractively produced, and more

than worth its very reasonable cost. RADIOSCAN is published in Spanish as well as English versions. The Premier Edition features an article on modifications to the Kenwood TS-940S by W6IL. It is this writers opinion that you will profit from reading RADIOSCAN - It is published by RADIOSCAN CORPORATION, Miami, FL. The publisher is Luis H. Gimenez, KC4NOF. Editor is Richard J. Muschamp, KF4GJ. Mailing address is: RadioScan Magazine, 175 Fontainebleau Blvd, Ste 2K-5, Miami, FL 33172-9914

And again, in the publishing world, It has been announced that CQ Magazine has acquired HAM RADIO MAGAZINE. HAM RADIO, published by QCWA Member, Skip Tenney, W1NLB, has provided superior technical material for amateurs for more than 20 years. We understand that the last edition will be dated June, 1990. To Skip, thanks for your contributions through the years. To CQ, congratulations on acquisition of this outstanding publication.

And Finally (TGHT, for Thank God he's Through) - QCWA is, at this very moment electing 5 directors. Some thoughts may be in order. You have heard, I'm certain, that if you don't vote you don't have the right to complain if incompetents are elected in the US government or the Lions Club (or QCWA). Not necessarily so. A ballot not cast is never-the-less a vote - a very loud voice speaking of frustrations, of seeming lack of commitment of elected representatives, of the feeling that, no matter who I vote for, he/she never represents me. Voting is important and you are urged to use your ballot, not your uncast vote. All candidates are not the same - seek the candidate(s) who you feel give the best promise of representing you as a member and, who are capable of making valid judgments in the best interests of QCWA - you can make a positive contribution by voting. A non-vote, while indicative of serious problems, generally produces little, if any benefit to an organization or its members.

THE YEAR WAS 1941 2 - 1/4 CENTURIES AGO

The call "CQ v WAR" when heard on 4025 kc, every Tuesday, Wednesday and Friday nights at 7PM, is the signal for a unique contest in which literally thousands of amateur stations are participating. All are eager to have the distinction of contacting WAR, the War Department radio station located at Fort Myer, VA, just across the Potomac from Washington, but controlled from the War Department Message Center in the Munitions Building.

This intercommunication between WAR and amateur stations is an extension of the Army Amateur Radio System activities and was inaugurated on December 3rd, at 7 PM, when W1AW answered WAR's call and messages were exchanged between Major General Joseph O. Mauborgne, the Chief Signal Officer of the Army, and Mr. George W. Bailey, ARRL President. The purpose of permitting amateurs to work WAR during certain schedule periods may best be indicated by quoting the message from General Mauborgne:

'This message initiates the exchange of contacts between War Department Net Control Station WAR and amateur stations as represented by W1AW the ARRL Headquarters station stop It is my sincere hope that these contacts will help to foster closer relations between the Signal Corps and the Radio Amateur for our mutual benefits stop Very 73 to all' George Bailey, W1KH, was at W1AW and acknowledged receipt of the above message - which was sent by Major David Talley, W2PF, at the key of WAR.

This material excerpted from QST, February, 1941 page 47.



EDITOR'S COMMENT AND MAILBAG

THE FUTURE OF HAM RADIO ISN'T IT PRETTY WELL UP TO US?

One of the canons of human activity is that in the end, we get what we have earned and deserve. Let's consider for a moment some of the things which effect us in our efforts to keep our place in the sun --- things which affect the future of amateur radio.

As uses for electronic communication multiply, the value of each communications channel increases and, finding space for new or increased usage becomes difficult. The United States Congress has charged the Federal Communications Commission (FCC) with the task of fairly distributing spectrum space to all of those who require wireless communications. The FCC must allocate spectrum space in the Public Interest. Over the years a system of procedures has been established to insure that all interested parties have the opportunity to present their case whenever an adversary situation arises. In recent years it has become common-place for we amateurs to feel that the Federal Communications Commission (FCC) is a tool of commercial users of electromagnetic spectrum. This editorial is written in an effort to show that the FCC has a most difficult job, and that it faces almost insurmountable odds against pleasing all with whom it must deal.

Placing ourselves in the Position occupied by the FCC requires we establish a few bases for our examination. It is necessary that we accept that those actively responsible for FCC actions do honestly attempt to reach decisions "in the public interest". . . . that they are unbiased, that they consider the merits of each pleading and that they do consider, in so far as humans can, the possible impact of their decisions on all who may be affected and that they are not pawns of "any special interests" that they are probably as honest and straight-dealing as you and I and, that they do try to do the "Right Thing". Where we may become confused is in considering all aspects of the phrase "in the public interest". We tend to think that if space is given SPU Corporation, the FCC has favored commercial interests. It is a fact that in that in many cases, a commercial interest is favored but, the basis of the FCC action may well have been in consideration of the improved efficiency of the SPU as it serves the public and, even more importantly, the effect on the livelihood of perhaps thousands of the public who are employed by SPU. If you have trouble buying all of these bases it might be well to remember that the basis of most human interaction depends upon honor and trust. Some will always fall short but that does entitle you or I to assume that our FCC is not honestly trying to do the best possible thing.

Using the bases established, let us imagine, that you and I are setting in the FCC hotseat. The SPU Corporation has requested some valuable spectrum space deemed necessary to develop a system of communications the Corporation has determined it must have to remain competitive in its field of endeavor . . . a highly competitive field. The Corporation has presented its case. The presentation includes information on the proposal, listing the need, the cost, the anticipated results, the impact of favorable or unfavorable action by the FCC on the Corporation (its stock-holders and its employees), and the impact on other users (present and future) of spectrum space requested. Let us look at just a tiny portion of the SPU proposal - It is requested that spectrum space be allocated to the proposed service on an exclusive basis. In return the Corporation will finance developmental work which it is hoped will see equipment designed, built and operating with greatly improved efficiency, thus permitting the Corporation to provide improved service to the public and private sector, insuring that the Corporation will survive in a hostile environment. The off-side is also presented - that is, what might result if the Corporation proposal is not granted. The Corporation employs more than 40,000 men and women in jobs that permit these people to maintain homes, educate their children and support their communities. The Corporation maintains dozens of

airplanes and thousands of vehicles that must be maintained by professionals, mechanics, and just plain janitors - all of whom depend on the Corporation's ability to attract and keep paying customers - thereby insuring that their jobs and pay-checks will continue. And, not least, the Corporation asserts that adoption of their proposal will provide enhanced service to other companies served by the Corporation, permitting them to continue to provide paying jobs to young and old alike - jobs which affect every community in our nation. A potent argument! They are talking, not only of SPU Corporation survival, but the quality of life of perhaps thousands of employees.

Opposed to the SPU proposal is Amateur Radio, existing users of the spectrum desired by SPU. The Amateur Service has expressed alarm at the SPU proposal, and have petitioned the FCC to deny the request of SPU, a request which would seriously reduce the spectrum space presently assigned to the Amateur Service. The FCC must look at the contributions to the public welfare provided by the Amateur Radio Service Training of members of the public in the art of communications; nurturing young peoples interest in the educational and scientific aspects of electronic communications; the advantages accruing to the Public as a result of amateur radio participation in emergency communications bearing on the safety of life and property; the contributions by the Amateur Service to International goodwill; and development work by the Amateur service in connection with new, experimental modes of operation. All of these and any other contributions by the Amateurs to the public welfare must be thoughtfully balanced against the needs of the SPU Corporation and its employees.

The SPU Corporation has made a commitment to spend vast sums of money in an effort to develop a new service believed to be required if SPU is to remain a competitive entity in its field of endeavor. The Amateur Service has, by its past efforts, provided proof of its ability to work in the public interest - what to do. The FCC must first insure that no other spectrum space is available which would not seriously impact existing services. If an in-depth search indicates that the only possible spectrum is that proposed by the SPU Corporation, then the FCC must determine which of the two services (assumed mutually exclusive) based on the public interest, is to be assigned the spectrum space in question. Such determination must be based on demonstrated need and upon existing use of whatever frequency spectrum is now assigned to the parties involved. A determination of efficiency of use of existing spectrum allocated. This is an area in which legitimate claim may exist regarding FCC actions. The Commission must not take the easy way out - every decision must be made only after exhaustive studies have developed all of the facts.

Now let us consider what the FCC might actually do (remember, you and I are setting in FCC seats) in actions which approximate those described above. The FCC might determine that the Amateur Service can carry out its agenda of activities and provide needed service in somewhat less spectrum space than it presently enjoys. The FCC might be persuaded that adjacent spectrum space is not available for use by the SPU Corporation, or by the Amateur Service, because such use might possibly affect the public's need for some other service, such as the Television Service, or inland waterways, etc. Let us say that the FCC has determined that the SPU proposal is in the public interest and that the least disruptive solution to the problem is to assign a portion of the existing amateur service spectrum to the SPU Corporation. If you and I were sitting as an FCC decision maker we would have to consider the following questions before reaching a final decision. If the FCC does this, then it is accepting its moral responsibility - if it does not follow a similar procedure, then questions may be reasonably raised regarding its decision(s):

Areas wherein questions may arise: has the FCC clearly demonstrated that no other spectrum space is available? Has the FCC made in-depth



EDITOR'S COMMENT AND MAILBAG

studies, of the uses of adjacent spectrum space that prove that such spectrum space is not available. Has the FCC made a decision without guarantees of performance - that is, setting a firm time limit for demonstration that a new spectrum saving system, a critical part of the SPU proposal, has been developed and put into operation. Has the FCC qualified its decision so that in event that the SPU proposal is not carried out, in a specified time, that the spectrum space allocated to SPU will automatically revert to the amateur service. Has the FCC given full consideration to public service aspects of the Amateur Service which might be lost in future years?

Answers to each question must be clearly stated. The SPU Corporation and the Amateur Service are both entitled to know the specifics upon which a decision is based. Those specifics should be made a part of the public record to provide bases for reconsideration of FCC decisions when or if proposals upon which the FCC decisions were made are not forthcoming. Both the Amateur Service and the SPU Corporation should be anxious to accept responsibility for proposals it has made, and willing to accept punitive action when those proposals are not fulfilled. Both SPU and the Amateur Service should do all possible to assure that the FCC has acted in the public interest and, when this has been done, see to it that every phase of the proposals upon which the FCC made its findings are carried out. If either party is uncomfortable with this sort of disclosure and pledge, the FCC might reasonably question the sincerity of proposals made. If the FCC is unwilling to disclose its bases for reaching a decision, then it is leaving itself open to accusations of bias. Being an FCC decision maker is not a piece of cake!

What can we, in the Amateur Service do by ourselves? There is only one real way to insure that the future will remain bright for we Amateurs (1) improve our image, improve our dedication to those areas in which we can provide service to the Public. To improve our image we must clean up our own shop. Immediately and completely eliminate lewd, scurrilous on-the-air language by those authorized to operate in the Amateur Service. Identify those who create malicious interference - and convert them to using their talents in a positive direction. Do all we can to make the amateur radio a proud and dignified service. (2) To find new ways to serve in the interests of the Public - train ourselves in emergency procedures; participate in all events which will display the ability of the Amateur Service to assist in public events, in severe weather warning service and so on. Take part, become very visible and contribute our expertise wherever and whenever possible. (3) See to it that the public and its governmental representatives are made aware of the important part played by the amateur service in any event or activity in which amateur radio has served in the public interest.

In the end, what happens to the Amateur Service will, in large part, be the result the manner in which, we of the Amateur Service have clearly demonstrated our importance to the welfare of the Public. If we excel in that activity, our future is assured.

ASSISTANT EDITOR

John Miller, W0IKT, has agreed to undertake editorial assistance. To get started, John will be working with preparation of Chapter news items for publication in the Fall, 1990 QCWA Journal. Material will, as usual, come to HQ, where it will be sorted placed in the proper hands for preparation. His work will carry his by-line. Final responsibility for editorial content remains with HQ Editor who, in turn is responsible to the QCWA President and Board of Directors.

W5EJ

SK PINS, BADGES, & BANNERS

MID MICHIGAN CHAPTER No. 135
John E. Hewitt, K8DHN
4310 Darron Dr, Lansing, MI 48917

At their monthly breakfast meeting on March 31, the members of Mid-Michigan Chapter #135 discussed the idea in the Spring, 1990 issue of the QCWA Journal, proposing a memorial banner for QCWA SK's as suggested by W4UKA and others. We have been using a similar idea for about four years and the members feel that it should be added to the suggestions being considered.

The Mid-Michigan system is shown below. Marion and Beverly Stoner, W8VWY and K8ZJU, pictured with the banner, originated the idea. The majority of Mid-Michigan Chapter have combination name and call badges in addition to their gold pins, so we chose to use the badges, as they are blue, similar to the Banner. Beverly fabricated the side strips from a blue felt which closely matched the Banner material. The strips, about 4" wide are held in place by loops over the pole, and are fastened with Velcro.



The system is clearly displayed above. Among advantages of this plan is no need for pin-holes in the Banner, the Banner is not loaded or stretched and the SK badges can be readily removed, rolled and stored when not on display.

As you can see, our Banner is displayed on a light-weight easel and the added felt strips do not detract from the overall appearance. The Banner, including the SK badges, is stored by rolling the complete unit around a 4" diameter tube which is then encased in a cloth bag which is closed with Velcro. The easel folds and fits inside the 4" tube.

Editors Comment: This is indeed a bangaroo of an idea. In the event that an SK member did not have a badge, his gold pin could be placed on the strip and would look very nice too.

SOME THOUGHTS ON QCWA

Harold R. McBirney, KV4AM
1428 Northern Way, Winter Springs, FL 32708

JERKS IN HAM RADIO - I think the plan indicated on pages 4-5 of the Spring, 1990 Journal, to track down the malicious interference in a wonderful idea and deserves a chance to fly. See the attached copy of a letter dated 01/16/90 (written before the Journal was published) which suggests the same idea in brief. At my age, 80, it would be impossible for me to take a lead role but I would sure like to help in some way.



EDITOR'S COMMENTS AND MAILBAG

HITS & BITS

Hernando Chapter misses the "snow birds" who have begun their annual migration to cooler climes. Already plans to welcome them back at a meeting to be held the first Wednesday in November!

Frances Bruemmer, W5KQG, writes from San Antonio where she has returned to the harness, and is writing material for the Journal on happenings in San Antonio Chapter 38. She has begun publishing Chapter 38 news in a masterful manner and its good to see her back. In her recent mailing she enclosed a picture of the Officers, shown below.



Pictured above - L to R, Johnny Bruemmer, W5LVE, Treasurer; Louis Kocurek, W5VIV, President; Frances, W5KQG, Secretary and Derwin King, W5LUU, Vice President.

HEAD IN THE SAND?

Arnold Samuels, KH6COY
431 Bass Ave, Ocean Shores, WA 98569

Reference your article on code-free license in Vol 38, No. 3 -attached is a copy of my letter to the FCC. (Editors note - the proposals made in Arnold's letter follow) "I propose the following steps be taken in the reallocation of the bands. 1) Have two type of license GENERAL and DIGITAL. 2) Eliminate all the other licenses they never improved amateur radio or improved the amateur if anything, it created a primadonna class who are on an ego trip 3) Create a window in each band for the digital communicator so that he can fully explore and experiment. Make the written test more meaningful so that he can not depend on memory only. 4) For the general license the applicant should have to know 5 words CW and a corresponding written test.

It must be realized that communications has divided into many modes and each one has its own technology and technical requirements. There is enough to learn in each mode to require a life time study. Let's get amateur radio back on track where it will be a public service again and a national emergency asset. Not an old rich man's hobby.

I ask many hams when they used CW the last time to get that all-important message through and all I got was a blank stare."

Arnold, in his letter to QCWA said: "It is about time that QCWA gets its head out of the sand and stands on its own two feet instead of being a mimicker of the ARRL. Unfortunately ham radio has become a problem as big as our environment. What we need is a well thought out restructuring not continuous band aiding like our income tax system.

From my own experience I can say that amateur radio has been my stepping stone into my career. 10 years with the Voice of America and 20 years with the Airforce Communication Commands.

QCWA Membership Dues Schedule Effective 03/01/89 thru 12/31/90

Term of Membership	Regular Members	Family Members
1 Year	\$12.00	-
2 Years	\$20.00	-
3 Years	\$25.00	\$10.00
Life	\$125.00	\$50.00
LTP*	\$135.00 (3 @ \$45)	\$60.00 (3 @ \$20)

*If Life Time Pay program is not completed in one year all funds received are used to extend regular membership at the 3-year term rate.

New members pay a one-time charge of \$3 as initiation fee

MEMBERSHIP FEES ARE PAYABLE IN U.S. FUNDS ONLY!

Amateur radio should become the stepping stone of the future engineer, technician, or communicator. I started at Stuyvesant High School Radio Club in New York City in 1937".

A POX ON THE WHOLE SCHMEER

Harry Church, W0KXP
309 W St Louis St, Lebanon, IL 62254

"When are people going to wake up and realize that we DO NOT NEED yet another grade of radio license, certainly not a codeless amateur grade? As a libertarian, I fully believe that the citizen in a free society should have the RIGHT to use radio FOR COMMUNICATION, without having to be licensed. But we ALREADY HAVE JUST THAT, in CITIZENS BAND. The ONLY function to be served by taking codeless licensing under the amateur umbrella is to promote non-achievers to a position of unearned and undeserved honor, while lowering the amateur fraternity to its newer, lower, common-very common-denominator."

LET'S LASSO THE "JERKS"

Allen Olender, WA8IWK
7173 S Pebblecreek Rd, West Bloomfield, MI 48322

To the Editor: "Your concept of a QCWA 'Watchdog' group to help 'clear up the bands' of the growing detriment and embarrassment to Amateur Radio a group of self-proclaimed zealots are causing, is unquestionably the finest, most urgent, and worthy project QCWA can take on.

Your article 'Jerks in Ham Radio - what to do?' must be acted upon before permanent damage is done to our service."



EDITORS'S COMMENTS AND MAILBAG

Letter excerpt - to Erling Johan Wiig, Oslo, Norway: I, among about a trillion amateurs around the world appreciate the tremendous effort you all made to put Bouvet on the air - in spite of a thousand deliberate SABOTEURS I was able make about 4 contacts I think we amateurs have got to do something! Maybe thousands of us should have a specially designed small HF antenna with a small TV rotor to track these guys down with a coordinated effort."

CHAPTER NAMES/NUMBERS - It's probably too late to include in the upcoming Membership Roster but it seems to me that a list of Chapters and their numbers should be included in the Directory. Occasionally, I get into the QCWA contests and I can't find a listing of the chapters and numbers anywhere. Since it will be a long time before the next Roster, maybe you could include the list in a future issue of the Journal.

Editors Note: The Chapter list is being published in the new Membership Roster.

GIVE OUR SPOUSES A BREAK

Robert G Rickey, NF6P
8532 Red Hills CC Dr, Cucamonga, CA 91730

Generally speaking, our loving spouses aren't the least bit interested in our hobby and understand very little of the jargon that goes with it. They will hold a meal until it is cold and go to bed without us while we strive to contact some rare DX or finish an interesting QSO. We are indeed fortunate to have such tolerant spouses as our mates.

It is a shame to then take them to a chapter lunch or dinner and subject them to a program which is more of the same thing. They may sit there and smile and not complain but they won't be enjoying themselves.

My wife, Betty, and I went to a QCWA Brunch a few days ago. After telling a few funny jokes, the main speaker suggested the ladies leave the room because they probably wouldn't enjoy his talk! It was about the development of single-sideband and was a good subject for an all-amateur audience. He was a very good speaker but it was not a good subject for the spouses and, therefore, not a good choice for the meeting, in my opinion. Why not arrange for a program that is interesting to them as well as us? There are many subjects, other than those related to amateur radio that would be equally interesting to hams and their spouses. Let's give our spouses a break for a change!

If you are unable to find a speaker who can talk about subjects not related to the technical aspects of amateur radio, I have a suggestion. Look in the white pages under "Toastmasters International?" They are a group of professionals who are trying to perfect their public speaking ability and generally welcome an opportunity to speak before an unfamiliar audience. Good Luck!

LET'S FIX THE "JERKS"!

Joe Butler, W5ILJ
5114 47th St, Lubbock, TX 79414

In reference to the QCWA Editorial on Page 5 of the Spring QCWA Journal concerning deliberate interference on the ham bands, especially to traffic and to DX-peditions, I would like to lend my support in some effort to put a stop to this. I have never used DF equipment on the ham bands, (did in WW-II, but would be happy to build a suitable DF loop, etc., and join in any effort to track down the worst offenders.

I thought that the jerks interfering with the Bouvet operation did a real disservice to amateur radio, and such tactics, and those who practice them, have no place in Amateur Radio.

COMMENT ON THE LEAGUE

Ronald A Erb, WO8Z
1166 Stoney Springs, Rd, Vandalia, OH 45377

For most of my Amateur Radio life, licensed since 1964, I have looked up to the older and wiser Amateur Radio operators. I even for a short time believed that the ARRL was the most important Amateur Radio Organization. But after a few years, watching how the ARRL directed the course of Amateur Radio I became disenchanted with the organization. This was one consideration in joining QCWA. For many views and sentiments reflected in your columns I can relate to. I think the ARRL is a very important tool of the Radio Amateur but I think the tool is in need of repairs.

I had the opportunity to meet the past Great Lakes Director of Ohio. After talking with him on a few relevant Amateur Radio subjects, it was obvious to me that he was "out of touch" with the mainstream Amateur Radio Community. Of course, this is just one man's opinion. I refer to the "past" director, because indeed after his views were made public, he was elected out of office. Now recently our local club was fortunate to have the new Great Lakes Director and even the First Vice President speak at our meeting. After the meeting I was able to get the attention of the "eyes and ears" of the ARRL. Once again I have this feeling, they too are out of touch. When I said the League was out of touch, they replied that just was not true. I dropped the First Vice President a "Thank You" letter for his appearance and again restated my view that they were out of touch. I received this reply: "... Many people don't know that the League is in touch with membership. It has ever been thus. I believe that position to be in error and that there are many who merely assume that their position is one held by the majority." So, there it is. "It has ever been thus". After reading this letter you can be sure that I was convinced that my views were the minority and the League was the majority. But once again I have doubts. After carefully reading your "mailbag" you also address those who are disgruntled with the League. It seems there must be others in the Radio Amateur community that do not believe the League truly is reflecting the feelings of League membership.

As an active member of the ARRL Volunteer Examiner program and a member of the Amateur Auxiliary program, I hear many comments on the negative side of the League. The most commonly heard is that the League just is not listening to its members. I find interesting your comment regarding some of the things you hear on the radio and I agree with your statement: "... discourse can be highly valuable provided the opinions expressed are based on factual information. . . . by this is meant that when you speak out do all possible to insure that your opinions are not hearsay or fictional." It just may be possible that you and I are listening on different frequencies. I am not taking exception to "past" ARRL decisions of years ago. I am examining the present issues of today.

The ARRL position on no-code class license may not truly reflect the membership views. How does the ARRL support its position that it represents the views of the Amateur Radio Community? Was there a survey in QST that maybe I missed? Must have been all the letters the League received in support of the no-code license? No, couldn't be that because when I asked the previous Great Lakes Director if indeed his vote reflected the membership, he replied that you can't always vote as the majority wish, sometimes you have to vote for what is best for the Amateur Service.

In conclusion, I do agree with your statement, "The League has made improper moves in the past - it will do so in the future but, the occurrence of poor judgement will be lessened when your voice is heard."

The problem as I view it is getting the Radio Amateur Community involved. I suggest Simple Surveys that are not time or skill demanding. The QCWA Journal, as with ARRL QST, from time to time could provide a simple "Yes" - "No" - Don't Care, tear out survey to give the leaders the input they need regarding current relevant issues. Then the League or QCWA could speak for the membership views and interests. Who knows, maybe then, opinions could be sustained or disproven. "Fact or Fictional" - Until then, it's still just one man's opinion.



EDITOR'S COMMENTS AND MAILBAG

ROTTEN EDITORIAL

H. A. Arsenault, K1PLR
48 Crane Rd, Stamford, CT 06902

I find your editorial in the QCWA Journal, Spring 1990 with respect to QCWA involvement in monitoring the ham bands for malicious interference to be, at best, sophomoric. It almost seems to me to be a vigilante effort. To be sure, there is a need to self police our frequencies, however, the ARRL, in conjunction with FCC, through the OO/Amateur Auxiliary program has certified trained official observers who know the rules, procedure to follow, legal ramifications, and the psychology of dealing with errant hams.

To mount your proposition would be a disaster causing more havoc and dissention with our ranks. Solution: I do believe there may be a positive side to your plea. We as QCWA members and (I hope) responsible amateur radio operators should strive to set technically and operationally competent and correct at all times. Be cool. Set an example.

Point is don't take the situation into your own hands. This merely can only serve to confound an already recognized rotten situation.

IT'S TIME TO GIVE IN

James S. Collier, K2QB
100 Redwood Terr, Williamsville, NY 14221

It, no longer being practical to fight the no-code movement, perhaps the best thing to do is join it. I suggest we adopt the Communicator License as proposed by the FCC, but make these changes to the license structure:

- 1) Reduce the code speed requirement for general class to 10 wpm
- 2) Require a 15 wpm code proficiency for the advanced class license
- 3) Continue the 20 wpm code requirement for the extra class license.

In support of the proposal to reduce the code requirement for general to 10 wpm, consider the following from November, 1937 QST: "There are now 46,850 amateurs as of June 30, a gain of only 594 in the past year. Raising the code speed from 10 to 13 wpm made serious inroads on the number of new amateurs."

The 10 wpm speed was satisfactory from early days until it was raised to 13 wpm in 1936. As an active volunteer examiner I find the failure rate on 13 wpm code to be about 73%

It is evident from the experience of the 1930s that a 10 wpm code requirement would significantly increase the number of amateurs qualifying for general class and made up for the loss of the novice license.

I hope that these suggestions will help us decide the nature of the amateur radio license class structure for some years to come.

A PROPOSAL ON MALICIOUS INTERFERENCE

Julius J. Altman, W2DX
44 Quail Run Drive, Deer Park, NY 11729

The Editor's comments in the Spring, 1990 issue of QCWA Journal contained two items of interest to me: one, request to support ARRL and two, a plan of action against certain misguided individuals identified as "jerks" who delight in violating our amateur rules and codes of ethics. For a long time, I have pondered the situation and perhaps by coincidence, my suggested solution involved the above mentioned two items. If not a total solution, then perhaps a step in the right direction. A copy of this letter is being sent to my ARRL Division Director with my request that the ARRL Board of Directors be given

an opportunity to review my plan because it involves the ARRL and needs its support and cooperation.

The Official Observer program of the ARRL has been serving radio amateurs for over fifty-five years and, in recent years, has been expanded to become the Amateur Auxiliary of the Field Operations Bureau of the FCC. The suggestion by the QCWA Journal Editor to establish a QCWA Emergency Monitoring Group (QCWA EMG) would duplicate one of the services performed by the Amateur Auxiliary although his plan may present another means of locating an offender. As I see it, the problem is not so much radio-location and direction finding as it is in getting the FCC to prosecute the offender adequately to assure no repeat performances and to serve as a warning to all other about penalties and punishments to be imposed. Some of these deterrents can be imposed by ourselves (read that as ARRL) on our own level without the FCC. This essentially, further displays what is desired, self regulation.

Currently, most violations elicit a "friendly" advisory notice sent from the Official Observer to the offending operator with info-copies sent to the local OO coordinator and ARRL. Presumably, enough citations will involve the services of the next-step-up, the regional monitoring station of ARRL who has the pipe-line to ARRL HQ and FCC. However, this is a long drawn-out procedure which, if it involves the FCC, defeats the concept of self-regulation. Meanwhile, the offenders go about their merry ways, doing their "thing" and the majority of law-abiding amateurs continue to suffer and amateur radio, in general, gets another demerit in the eyes of an observing public.

My proposal to alleviate some of the problem requires ARRL cooperation. Most of the operating awards available to amateurs are ARRL sponsored, i.e., WAC, WAS, DXCC, RCC, CP, OTC, etc. In addition, many valuable services are provided: incoming and outgoing QSL services, technical assistance, legal advice and counsel, etc. My proposal would deny any and all of these benefits to an offender who proves to be the "jerk", especially after repeated offenses verified by a group of Official Observers (QCWA EMG?). The DXCC Award program could serve as an excellent example. A cited violator may be suspended for a period of time during which he/she will not receive credits for any new countries. Moreover, even if the new ones are confirmed during the period of suspension or probation, they will not be allowed but must be worked and confirmed only when, as and if reinstated. Similar treatment by the ARRL may be imposed withholding benefits and services in the many areas provided. The ARRL would convene a regular or an ad hoc committee to act as a 'Parole' Board. Conceivably, we may lose some subscribers (members or note) but the ARRL accounting department can add a line-item to offset any loss, calling it "contingency for suspended Jerks".

Yes, this plan will require record-keeping by the ARRL but should not become an excessive burden since the Official Observers and the Regional Monitoring Station will be a buffer between the ARRL and the violator, leaving a minimum of paper-work. Adequate legal counsel should be applied to assure legality of such actions by the ARRL, particularly insofar as concerns paid-up and life members in the League and with respect to possible constitutional revision and/or amendments which may be required to empower the ARRL to implement my scheme. I have a problem thinking about my dues going toward providing benefits and services to an undesirable "jerk". Would publishing names and calls in QST be an additional, legal deterrent? Or am I asking for too much, too soon?

The important feature of this plan is that something definitive would be done to afford possible relief from a growing problem. It is self-regulated. It is the least we can do for ourselves. Perhaps such a plan will demonstrate that, having been implemented in all possible aspects, that at that point, lacking the cessation of violations, then we must insist that FCC action be taken. I think it's worth a try.

QCWA should support the ARRL which is our voice in amateur radio matters --- For a better amateur radio service, in the public interest, convenience and necessity.



LAST BUT NOT LEAST!

RUTH BROWN GIESKE, W5IZL

On May 1, 1990, amateur radio lost one of its pioneers. Ruth, 92 years of age, passed way after 63 years of active amateur operating. She received her operators license in 1927, using the call of her husband, W5AWQ. She received her amateur call in 1937.

Ruth was 10-10 member 712, a member of ARRL, QCWA and QCWW. She has been honored by presentation of a "Distinguished Service Plaque given by Texoma Area Amateurs and The Wichita Amateur Radio Club. Many will remember her CW "swing" on the low end of 40 meters. It was there that she spent most of her time and, for 52 years holding several schedules weekly with her son, Ernie, W5FYZ on 40 meter CW. Ruth helped many young people get into amateur radio. She was preceded in death by her husband, Ernest R Brown, W5AWQ/W5HFS and by her second husband, Al Gieske, W3SG/W5WS. This is a final tribute to a wonderful person, a loving mother and a dedicated amateur.

STEWART PERRY, W1BB

Stewart Perry, W1BB, first licensed in 1914 as 1BB, a lifelong resident of Winthrop, Massachusetts, passed away on May 5, 1990. Stewart had been an active amateur for 75 years, many of those years operating on the 160 meter band where he became known throughout the world. A true pioneer in radio communication, he will be greatly missed by his many friends. He was 86 years of age.

ORIGIN OF THE ACRONYM "HAM"

The word "Ham, as applied to amateur radio dates back to 1908 and was the call letters of the first amateur wireless station operated by three members of the Harvard Wireless Club. They were Albert Hyman, Bob Almy and Reggy Murray. At first they called their station "Hyamn-Almy-Murray", but tapping out such a long name in code soon called for a revision. They changed their call sign to HY-AL-MU, using the first two letters of each name.

Early in 1909 some confusion resulted between HYALMU and the Mexican ship name HYALMO. It was then they decided to use only the first letter of each name and the call became "HAM". In the early days of radio amateur operators picked their own frequency and their own call letters. Then, as now, some amateurs had better signals than some commercial stations. The resulting confusion finally came to the attention of Congressional Committees, and they in turn gave much attention to proposed legislation designed to critically limit amateur activities.

In 1911 Albert Hyman chose the controversial legislation bill as his thesis topic at Harvard. His instructor insisted that a copy be sent to Senator Davis Walsh, a member of one of the Committees hearing the bill. The senator was so impressed he sent for Hyman to appear before the Committee. He took the stand and described how their little station was built. He almost cried when he told the crowded committee room that if the bill went through they would have to close the station. They could not afford the license fee and other requirements called for in the bill.

The debate started and the little HAM became the symbol of all the little amateur stations in the country crying out to be saved from the menace and greed of the big commercial stations that didn't want them around. Finally, the bill got to the floor of Congress and every member talked about the poor little stations "HAM. That's how it all started! You will find the story in the Congressional Record. Nationwide publicity associated radio station HAM with amateurs. From that day to this and probably to the end of time, in radio language, an amateur is a "HAM".

Editors Note: This story has appeared many times, with many variations. This version is reprinted here as it appeared in the February, 1990 issue of The Readout. It was submitted by Bob Rickey, NF6P, a candidate for election to the QCWA Board of Directors.

QCWA MEMBERSHIP DIRECTORY, 1990!

You have all received your new membership directory by this time. As with all such projects, errors were made. This note is to acknowledge errors, and list them for your information:

1. Member Alan Ross, W7IWU (5447) is listed as a member but, he is also listed as a Silent Key (page 198). Alan is NOT a Silent Key.
2. On the Front Cover - President Harry Dannals is incorrectly listed with the initial "S". The correct listing is Harry J. Dannals.
3. On the Front Cover - Vice President Hugh Winter is incorrectly listed as Hugh Winters. The correct listing is Hugh Winter.
4. On Page iii:
 - James Millen, W1HRX should be listed as a Silent Key
 - James Reuman, W2RB has name misspelled (Neu man)
 - Alfred O'Hara, W2OG should be listed as a Silent Key
 - Murray Blum, W2MY has name misspelled (Blu)
 - Harold Wetterhold, W2BKY should be listed as a Silent Key.
5. Member Roy T. Stromberg, W6GQD (1111) is listed as a member but, he is also listed as a Silent Key (Page 200). Roy is NOT a Silent Key
6. Member Reid W. Simmons, KV3A (20219) has has a new call, NZ8K
7. Jesse L. Bain, W5SYN (10470) is listed as a member but, he is also listed as a Silent Key (Page 182). Jesse is NOT a Silent Key
8. Member Joel Hurwitz, W3YZI a member in good standing was omitted. He can be reached at:

10901 Baronet Rd, Owings Mills, MD 21117

We apologize to all for the inconvenience caused by these errors. They were not intentional. We will try to do better.

All errors reported will be acknowledged in future issues of the Journal.

QCWA PRESIDENT, W2HD IN VEC CONFERENCE

QCWA PRESIDENT DANNALS - was invited to participate in the National VEC Conference held June 15, 1990. It should be noted that the meeting, hosted by Tom Ingram, will hear comments on no-code, etc., by those actively working in the amateur licensing field from all parts of the United States. Harry's participation is particular significance to QCWA - we, through Harry, will be part of the group who will greatly influence FCC actions. We know that he will make significant contributions to the conference.

FINAL SCORING, CW PARTY

No.	Call	Chp	Score	QSO	x						
1	W0MHS	49	52920	490	108	63	K2IC	5	6384	114	56
2	K6NQ/7		38760	380	102	64	K4BAI		6380	110	58
3	K9CLO		31490	335	94	65	W4HU	91	6125	125	49
4	KD7E	16	31008	323	96	66	W2KTF	81	6042	106	57
5	W4WKQ	84	29140	310	94	67	W3VQ	17	6000	100	60
6	K6FE	7	28812	294	98	68	DK0QCW	106	5940	135	44
7	W9NA	55	27528	296	93	69	W0AWP	79	5508	102	54
8	W2RRY	81	26535	305	87	70	VO1CA		5472	96	57
9	W3HQU		25935	285	91						
10	N8BC	1	24661	271	91	71	N9EAY	55	5346	99	54
						72	W3NGO	122	5151	101	51
11	W0LR	123	24208	272	89	73	K2RFO		5035	95	53
12	W4XD		23140	260	89	74	NN1D	146	5000	100	50
13	W5KL	90	22590	251	90	75	KD8FR	135	4900	100	49
14	W3TDF	17	21070	245	86	76	W2HTX	16	4500	100	45
15	W4YE	91	21000	250	84	77	W2GP	81	4350	87	50
16	K7BZ	16	21000	250	84	78	VE3QU	73	4335	85	51
17	KD1U	131	20833	251	83	79	N4UZ		4264	82	52
18	W5EFB	27	20655	255	81	80	W6VNJ		4224	88	48
19	K3CP	17	20418	249	82						
20	W5JNK	41	18286	223	82	81	KM7T	108	4214	86	49
						82	W9YCV	55	4080	80	51
21	W6IL	7	17632	232	76	83	W7ENW	4	4005	89	45
22	NZ7Q	160	16016	208	77	84	W9LNQ		3723	73	51
23	W4YID	17	15708	204	77	85	W9ZEN	59	3402	81	42
24	W4NH	91	15600	200	78	86	K2FD	138	3375	75	45
25	W4BK	128	13832	182	76	87	W3UHV	6	3220	70	46
26	W8KKM	79	13114	166	79	88	DL0QCW	106	2624	82	32
27	W8HU	9	12848	176	73	89	W0MYM	79	2580	60	43
28	K2FJ	65	12784	188	68	90	W9WM	159	2560	64	40
29	DL6NB	106	12672	192	66						
30	W1NV	134	12384	172	72	91	W1DLP	32	2436	58	42
						92	W0JTC	123	2356	62	38
31	N0FFZ		12168	169	72	93	W7LR	104	2352	56	42
32	W5HFN		12118	166	73	94	W3ELJ		2166	57	38
33	WA8TMK	1	11625	155	75	95	W7PCP	87	2065	59	35
34	W9MY	2	11174	151	74	96	W3CJI	17	1980	55	36
35	K0RH	53	10540	155	68	97	K2MN		1961	53	37
36	W3KOD		10508	142	74	98	W3FYK	17	1924	52	37
37	W1JSM	112	10465	161	65	99	W5LJI	63	1908	53	36
38	W9MR		9928	146	68	100	K9UQN		1900	50	38
39	W6FQ	7	9869	139	71	101	W9NN/4	55	1800	50	36
40	W4TYU	60	9656	142	68	102	W0EFK	8	1768	52	34
						103	W5NCB		1734	51	34
41	WC4D	131	9198	146	63	104	DL1ZQ	106	1716	66	26
42	N6GM/KL7	92	8896	139	64	105	W5OC	41	1650	55	30
43	W2RPZ	79	8840	136	65	106	W1SK	138	1610	46	35
44	W0IH	8	8820	140	63	107	W2HD	81	1350	45	30
45	K0ERM	102	8710	130	67	108	K7LNS	168	1248	40	32
46	W8TIV	9	8640	144	60	109	K8OI	142	1170	39	30
47	W3ABC	23	8280	138	60	110	DL7CT	106	1127	49	23
48	W3BY	150	8256	129	64						
49	W6NKR	169	7986	121	66	111	DL9CC	106	1121	59	19
50	W6BIP	11	7680	120	64	112	DL1SP	106	1020	51	20
						113	W1GKJ	134	972	36	27
51	W2DX	81	7590	110	69	114	DL6DV	106	969	51	19
52	W0TIV	8	7502	121	62	115	WB2CJE	138	957	33	29
53	W5CJZ	41	7442	122	61	116	DL3ME	106	954	53	18
54	W9RF	55	7320	120	61	117	W0ODD		952	34	28
55	W7HO		7316	124	59	118	W6UTA	75	864	36	24
56	W2VEX	65	7250	125	58	119	K7ZED	168	819	39	21
57	W0CY	79	7169	107	67	120	W3PVO	150	800	32	25
58	W3OOJ	5	7139	121	59						
59	W2DW	95	6962	118	59	121	AB2N	138	750	30	25
60	DL1VU	106	6566	134	49	122	VE3MMQ	73	720	30	24
						123	W9WYN	2	667	29	23
61	W9REC	2	6552	117	56	124	DJ2ZB	106	612	51	12
62	W6IFC	99	6441	113	57	125	W0AP/MM*	25	572	26	22
						126	DL9PR	106	551	33	17
						127	W2IP	46	550	25	22

1990 QSO PARTY

QCWA JOURNAL, SUMMER ISSUE, 1990
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FINAL SCORING, CW PARTY

128	W0BF	8	546	26	21
129	W8BTW	71	522	29	18
130	N4AKD		510	30	17
131	W1GOG	152	504	24	21
132	W3UIU	68	504	28	18
133	W1WW	89	460	23	20
134	DL8AJ	106	406	29	14
135	W1ZNY	112	399	21	19
136	W8BHL	142	380	20	19
137	W1CNV	149	360	24	15
138	W3SN	122	360	20	18
139	W2KGI	96	357	21	17
140	K4RT	4	340	20	17
141	W0JS	8	323	19	17
142	NF3X	137	320	20	16
143	W7SQT	140	320	20	16
144	W8AQ	21	320	20	16
145	W8DIV	131	320	20	16
146	W4TG		306	18	17
147	W4WXZ	126	304	19	16
148	K4EZ	49	285	19	15
149	W9ODV	55	255	17	15
150	W9GJS		195	15	13
151	W9EHX	59	100	10	10
152	DF3OL	106	88	11	8
153	W3TPW/4	122	81	9	9
154	W1TSN		64	8	8
155	W2RRX	138	49	7	7
156	W4COW	112	36	6	6
157	W6PHE	7	36	6	6
158	W1ALE	146	35	7	5
159	K4CAX		20	5	4
160	W6PCI	144	16	4	4
161	W6HVB	130	4	2	2
162	W6SJH	11	1	1	1

FINAL SCORING, PHONE PTY

No.	Call	Chp	Score	QSO	x
1	K3CP	17	47970	410	117
2	DL6NB	106	45220	380	119
3	W4WKQ	84	43548	382	114
4	W6IL	7	36050	350	103
5	K6FE	7	33411	301	111
6	K4GMX	12	32448	312	104
7	W3TDF	17	32012	302	106
8	W2RRY	81	31314	307	102
9	K9CLO		29936	259	104
10	K2FJ	65	26334	266	99
11	K0RH	53	21054	242	87
12	W2GHV	77	19780	230	86
13	W6FQ	7	19669	221	89
14	PP2ZDD		17600	200	88
15	W3XM	17	17336	197	88
16	K4FCW	128	11850	150	79
17	W9RF	55	11704	154	76
18	WE2H		11664	162	72
19	K2AJY		11431	161	71
20	W4COW	128	11376	158	72
21	VP2VD	46	10730	145	74
22	AE7B	140	10721	151	71
23	KL7NI	171	10508	148	71

FINAL SCORING, PHONE PARTY

24	W4HVU	126	10011	141	71
25	WB3KMX	150	9916	148	67
26	W3CJI	17	9900	150	66
27	WA3BRW	17	9834	149	66
28	NK7A	108	9792	136	72
29	W2HD	81	9180	135	68
30	W5EFB	27	9135	145	63
31	K7BZ	16	8174	122	67
32	K6SS	130	8073	117	69
33	KD1U	131	7772	134	58
34	W4NWF	53	7656	116	66
35	W7FTX	104	7082	126	57
36	W8HU	9	7080	118	60
37	W4GXZ	120	6660	111	60
38	HB9MX	106	6608	112	59
39	W3OOT	5	6600	120	55
40	W6BIP	11	6527	107	61
41	W8AUV	2	6300	100	63
42	W4JCJ	131	6156	114	54
43	W0IH	8	6032	104	58
44	W8FDN	1	5656	101	56
45	W2VEX	65	5562	103	54
46	DL9SN/A	106	5555	101	55
47	VE3QU	73	5408	104	52
48	W9WYN	2	5356	103	52
49	W8TIV	9	5225	95	55
50	W9REC	2	5184	96	54
51	W2RPZ	79	5035	95	53
52	W5OC	41	4900	100	49
53	W4AZR	66	4680	104	45
54	WF4V	131	4500	100	45
55	W9NVK	162	4500	90	50
56	W0WLN	162	3888	81	48
57	W3WPY	150	3627	93	39
58	W9MYV	2	3675	75	49
59	N6GM/KL7	92	3600	75	48
60	WA4MCZ	60	3542	77	46
61	W3QPP	122	3402	81	42
62	W9WM	159	3375	75	45
63	W5JC	38	3337	71	47
64	W9TQD	55	3300	75	44
65	W8BTW	71	3285	73	45
66	W9MOF	61	3234	77	42
67	W8DIV	131	3160	79	40
68	VE3MMQ	73	3108	74	42
69	W6RXD	7	2700	60	45
70	K16LE		2660	70	38
71	W9NUB*		2660	70	38
72	W4HU	91	2613	67	39
73	W7LVN	108	2419	59	41
74	W2KGI	96	2400	65	40
75	W2DP	46	2318	61	38
76	K8NWD		2310	55	42
77	NF3X	137	2301	59	39
78	KL7AVX	92	2262	58	39
79	W8OYV	21	2223	57	39
80	N0FFZ		2176	68	32
81	W0MYM	79	2100	60	35
82	VO1CA		2030	58	35
83	W3PVO	150	2014	53	38
84	W2QI	65	1980	60	33
85	W3UHV	6	1924	52	37
86	WV8B		1890	54	35
87	W8ANM/M**	1	1836	51	36
88	W4YCZ	119	1815	55	33

FINAL SCORING, PHONE PARTY

89	W2JDB	118	1785	51	35
90	W1JSM	112	1696	53	32
91	W0BF	8	1680	48	35
92	W1KKG		1656	46	36
93	W7PCP	87	1650	50	33
94	N9EAY	55	1600	50	32
95	W5NCB	133	1550	50	31
96	K0FPC		1536	48	32
97	W9MKL	2	1470	49	30
98	K7EFB	87	1312	41	32
99	W4YE	91	1302	42	31
100	W5LJI	63	1260	45	28
101	W3TPW/4	122	1200	40	30
102	K4EZ	49	1200	40	30
103	W4DEV	120	1161	43	27
104	W9YCV	55	1160	40	29
105	W3KRM	37	1080	40	27
106	W3VQ	17	1080	40	27
107	W1SK	138	1064	38	28
108	K2MN		1064	38	28
109	W3FZT	137	1053	39	27
110	K6IR		1040	40	26
111	W9FDY	53	744	31	24
112	W3JWH	105	740	37	20
113	W9ULX	2	720	36	20
114	W0ODD		690	30	23
115	W2KVG	46	672	28	24
116	W2RTD/4	65	644	28	23
117	KM5OA	107	620	31	20
118	K4VN	49	608	31	19
119	W3GOG	152	594	27	22
120	W3CDY	150	570	30	19
121	W0PEX	123	551	29	19
122	W9FJE	55	550	25	22
123	W2DX	81	525	25	21
124	W2IP	46	500	25	20
125	W5HFN		480	24	20
126	W0TAT	8	450	25	18
127	WB2CJE	138	432	24	18
128	W1TSN		396	22	18
129	K8OI	142	360	20	18
130	W8EGI	135	340	20	17
131	W1GKJ	134	323	19	17
132	W8BCQ/F	173	320	20	16
133	W2PFA		280	20	14
134	W3EDO	165	280	20	14
135	W1DLP	32	266	19	14
136	W4YID	17	264	22	12
137	W3TFA	23	256	16	16
138	W9ODV	55	225	15	15
139	WA2WOV		204	17	12
140	KK6O	144	204	17	12
141	N6JM	169	169	13	13
142	WA2IUU	33	168	14	12
143	W9RZW	55	156	13	12
144	W3YQJ	165	143	13	11
145	W8KKM	79	120	12	10
146	W2DW	95	110	11	10
147	W8AQ	21	108	12	9
148	W1ZEN	112	100	10	10
149	W1VEH	134	90	10	9
150	W7BKB	104	90	10	9

151	W9HR	162	90	10	9
152	K9TBD	17	90	10	9
153	W2DME	138	81	9	9
154	W6HDP	16	56	8	7
155	N0HBH	35	25	5	5
156	VE3MO	73	25	5	5
157	W2JQS	46	16	4	4
158	W1RCJ	112	9	3	3
159	WA2ICE	150	9	3	3
160	K2IC	5	6	3	2
161	W3DOG	150	4	4	1
162	W4JM	107	1	1	1
163	W7PBV	44	1	1	1

*W9NUB using 1.8 to 2.1 watts PEP

**W8ANM, operating mobile in Tucson, AZ

W8YDJ log mailed to late to include.

COMMENTS: Many wrote they enjoyed the QSO Parties. NF3X met an old friend he had lost track of and now hopes to keep a sked with him. Several enjoyed talking to old friends and meeting new ones. N6GM/KL7 said condx were weird but he wishes more people would turn their beams to Alaska. Many are already looking forward to next year and hope for better condx. As you will note in the results, there was 1 mobile, 1 QRP and 1 maritime mobile station among the participants and they seemed to enjoy doing things differently.

W1ZEN I would like to thank W3WPY and Chapter 150 for their log checking. There were 162 CW logs submitted with 65 chapters represented and 25 at large members. The Phone party had 163 logs submitted with 71 chapters represented and 18 at large members. I want to thank all participants who used the Log form and the Chapter/State/Province form printed in the Journal. They both made checking much easier. Thank you to those who sent their 'dupe' sheets, as that also helped those checking. Many commented that the Chapter/State/Province check list was very helpful to them, so we will continue to use it. There were more participants this year and I hope it continues to grow next year. See you then.

73, Onie Woodward, W1ZEN, QCWA Activities Manager.

WINNERS

CW Party

Plaque - W0MHS
2nd - K6NQ/7
3rd - K9CLO
4th - KD7E
5th - W4WKQ

EUROPE
DL6NB

NORTH AMERICA
VO1CA

PHONE PARTY

Plaque - K3CP
2nd - DL6NB
3rd - W4WKQ
4th - W6IL
5th - K6FE

EUROPE
DL6NB
NORTH AMERICA
VP2VD
SOUTH AMERICA
PP2ZDD

THE PIONEERS - IV

MAXWELL: THE CGS UNIT OF MAGNETIC FLUX

James Clerk Maxwell (1831 - 1879) is generally recognized as the greatest theoretical physicist of the nineteenth century. In the same class as Newton in the seventeenth and Einstein in the Twentieth.

Born to a prosperous farm family he quickly demonstrated his intellectual brilliance although many of his fellow students let him know that they considered him sort of a rube - a nerd. He was to be shy and diffident all his life. His mathematical excellence was undoubted. He contributed an original paper on geometry to the Royal Society of Edinburgh at the age of 15. One anecdote relates that at an examination, he finished the test so far ahead of the rest of the class that he translated the test paper into Latin for the intellectual exercise.

He was appointed at any early age as a professor in a Scotch University and later as Professor of Physics at Cambridge, where among other activities he founded the world famed Cavendish Laboratory.

During this time he made fundamental contributions to astronomy, the study of heat in the kinetic theory of gases, and color perception. In 1864 he developed the equations upon which the entire theory of electromagnetism is based. The four equations themselves are simple in form but lead to very sophisticated consequences.

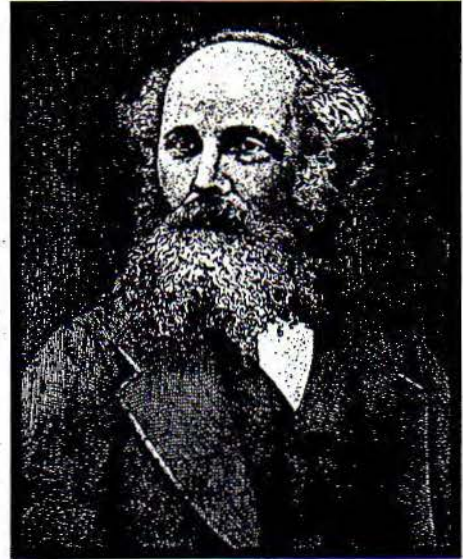
Maxwell began with the concept initiated by Faraday, i.e., that of a field of lines of force spreading out from an electric charge or magnetic pole. These lines were the agents by which electric and magnetic effects were produced. Their density, hence the strength of the field, was a function of magnetic or electric intensity. If the density of electric lines is changed a magnetic force is created, the strength of which is proportional to the velocity with which the electric lines move. Thus a velocity factor is present which has great practical and theoretical consequences.

Lets list in non-mathematical terms the four equations.

Number 1 expresses the nature of the electric field

Number 2 expresses the nature of the magnetic field

Number 3 & 4 express the relation between the fields, i.e., how a change in electrical field produces a changing magnetic field, and how a change in magnetic field produces a change in electric field. In these last two equations there appears a constant [c] which has the dimensions of a velocity and is the ratio of the unit of electromagnetic force to electrostatic force.



James Clerk Maxwell
1831 - 1879

This turns out to be 300,000 km/sec, which was known to be the speed of light.

Light and heat were known to be wave-like in form, and Maxwell concluded that light was an electromagnetic phenomenon, and further that there might exist electromagnetic waves not detectible by our eyes or heat sensing nerves, among other forms, what we know as radio.

Maxwell's equations, published in 1864 are the base of all electromagnetic theory. They can be expressed in various mathematical forms, the most concise of which are in vector form. Nobody knows why they are true, but they work. In 1905 they were partly responsible for Einsteins's development of special relativity.

It was 20 years until Hertz demonstrated experimentally that there were electromagnetic waves in the VHF region.



AMATEUR RADIO SATELLITE NEWS

SATELLITE NEWS IS WRITTEN

by
Keith Pugh, W5IU

PART 6 - "NEW BIRDS"

Since the last QCWA Newsletter, the six new MICROSATs and UOSATs have been joined in space by a seventh, Fuji OSCAR-20, FO-20. This new satellite, like its predecessor FO-12, has both an analog (CW and SSB) transponder and a digital store and forward packet radio transponder. With seven new satellites so far this year and more on the way, 1990 is truly "The Year of the Amateur Radio Satellites."

With the exception of UO-15, all of these new "Birds" are doing well. Investigations conducted thus far have proved that UO-15's receiver local oscillator is alive at least when the satellite is in sunlight, but all attempts to command it after the initial 24 hours of operation have been unsuccessful. UO-14's operation has progressed to the point of activation of its 9600 baud digital capability and a number of operators world wide are using this exciting capability. Store and forward BBS software is yet to be loaded.

After an initial month of operation, DOVE (DO-17) experienced a computer "crash" and subsequently locked up on itself. Using W5UN's large two meter Moonbounce array, DOVE was successfully reset and is currently operating with its 2400 mhz downlink enabled pending loading of new operational software. When you next hear DOVE on two meters, it will have its voice synthesizer activated along with its conventional packet telemetry. With all of this capability active, DOVE can start its primary mission of education.

PACSAT and LUSAT (AO-16 & LO-19) are currently operating as flying digipeaters for packet radio and are collecting Whole Orbit Data (WOD) to help analyze the satellite's stabilization status. Operation of both "Birds" is nominal and loading of store and forward BBS software will begin as soon as it is finalized. PACSAT's 2400 mhz downlink has been exercised and the LUSAT CW Beacon is working well.

WEBERSAT (WO-18) is taking color pictures of Earth and Space with its color CCD camera, digitizing this data, and sending the data down via it's PSK packet downlink. WEBERWARE 1.0 software had its debut at the Dayton Hamvention last month. This software is designed to convert the picture files from WEBERSAT and re-create the original picture on an IBM EGA or VGA screen. Initial pictures have been of limited quality, but quality is improving as the satellite attitude, motion, and camera controls are better understood. Like DOVE, the educational possibilities of this "Bird" are unlimited.

SATELLITE TRACKING SOFTWARE

Predicting when to listen for a satellite and which direction to

point the antennas has been a requirement for successful satellite communications since the beginnings of the amateur radio satellite program. In the days before home computers, Equator crossing information was published and used with graphical devices such as the OSCARLOCATOR to keep up with the low altitude, circular orbit satellites. These methods are very satisfactory, inexpensive, and are still in use today. Graphical tracking methods have also been developed for the Phase III, high-altitude, elliptical-orbit satellites; however, these methods are much less satisfactory due to the more complex orbit. Satellite tracking by home computer has become a much more popular solution.

With all of the excellent software available it is easy to become a satellite tracking software "Junkie." I'm afraid I fall into this category. I currently have copies of all of the IBM based software available from AMSAT and a few other people. I have also used most of the remaining software available from AMSAT for other computers. A description of this software is available from AMSAT Software Exchange, P. O. Box 27, Washington, DC 20044. A review of this software and its development is available in the May 1989 issue of 73 Magazine. Since publishing the 73 Magazine article, three new offerings have become available and are reviewed below.

InstantTrack 1.00

Written by Franklin Antonio, N6NKF, for the IBM and clones, this program is probably the best real-time graphics oriented program available today. As its name implies, it is very fast compared to any of its competition. EGA or VGA graphics capability is required along with at least 512K of memory and a hard drive. A math co-processor and a "Mouse" are optional equipment.

The return for this investment in computer capability is a program that is truly a delight to use. Four different graphics displays are available. A flat map of the world similar to a Mercator Projection is the first presentation. This map shows the location of the satellite of interest, your QTH, the Sun's location, the terminator (gray line), the satellite footprint, a 20 degree "Squint Angle" contour and a beautiful color map presentation. A "Mouse" is used in conjunction with this map to point out the names of countries, cities, islands, and other geographical items. The "Mouse" can also be used to designate other locations for tracking computations. Without a "Mouse" additional locations can be specified by station call, city name, country, grid square, and latitude/longitude. Up to 50 station calls or location names may be entered in the station file. The program contains a city database of 1754 different cities around the world. This city database can be used to designate locations to be tracked or as landmarks to help locate the satellite's position. The program



AMATEUR RADIO SATELLITE NEWS

reports satellite position in lat/long, gridsquare, and as "12.3 km from Genoa, Italy." All of the usual tabular data for the satellite is displayed along with the map including path loss from your location to the satellite at your operating frequency.

Map type two is unique to InstantTrack. It is a 3-D drawing of the world centered on the satellite's location. All of the items mentioned above are displayed on this map as well. "Mouse" support is not available on this map but all other items are included. This map literally "grabs you" with its realistic rendition of the world.

The third graphics presentation is a three view drawing, to scale, of the Earth and the satellite orbit. For the high altitude satellites, the orientation of the satellite is depicted in the drawings. The drawings move in real time or may be "animated" at the press of one key. This presentation is particularly useful for illustrating the concept of "squint angle" or "off pointing angle."

The fourth graphic presentation may not be too useful but it is "neat." In this presentation, the satellite is shown against a Star and Sun background. The program contains a database of over 700 of the brightest stars. The display is arranged with the satellite in the middle surrounded by Stars in their true position relative to the satellite. A line is included to represent the horizon if it is in view. The Sun's location is highlighted on the display if it is in view at the time. Switching between graphics presentations can be done with the press of one key.

Satellite Keplerian file maintenance is very easy with a versatile file editor and automatic upload capability. All maintenance is integrated into the menu structure.

Numerous non-graphics features are included with the program. If it has any short comings they are in printer support (Print Screen only) and lack of a display of multiple satellites on graphics.

This program comes with the best documentation available with any AMSAT program and must be "seen to believe." It is truly a delight to use.

Satscan II

Written by Trevor Stockill, G4GPQ, for the IBM and clones, this program comes to AMSAT Software Exchange from AMSAT-UK. Like InstantTrack, EGA or VGA graphics are required for the graphics presentations. A math co-processor is optional. A hard drive is desirable but not necessary. Only one graphics screen is available but it contains at least one unique feature. It is the only AMSAT program that will draw a ground track plot on the graphics screen and show the satellite footprint at the same time. N4HY Quiktrak will show the ground track plot only. The map is very pleasing to the eye and features such as other locations can be added or changed with ease. It supports one satellite at a time.

This program probably has the largest variety of tabular modes of any of the AMSAT programs. Many of these are unique to this program and very useful. File editing is easy and support is

provided for automatic Keplerian file update. In my opinion, this is the most "user friendly" of any of the AMSAT programs. This program will display time and date in more different formats than you can imagine.

C-TRACK II

Written by Edwin Albert, KF8EE, for the Tandy Color Computer 3, this program is the first program available to AMSAT Software Exchange with graphics capability for the COCO 3. As such it fills a long overdue gap. A version is also available for the COCO 2.

Graphics are similar to C-64 Supertrack and ORBITS II. Not as fancy as QUIKTRAK or InstantTrack, but very functional. Tabular output is similar to the original W3IWI program.

CONCLUSION

I hope you will make use of the seven new satellites as their capabilities increase. Don't be intimidated by the apparent complexity of operation of some of these "Birds." Nothing worth while is given to us. We must work for it to reap the rewards. Pay special attention to the educational opportunities provided by these "Birds."

Pardon my digression on the tracking software, but it is one of my greatest fascinations in the world of Amateur Radio Satellites. All of the programs available will perform the basic functions required to enjoy use of the satellites, but the new graphics programs, especially InstantTrack, can be a joy to use and be very educational as well.

See you on the "Birds!"

73 - Keith, W5IU

YOU MAY WRITE TO KEITH
AT THE ADDRESS BELOW

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P.O. BOX 121576
FT WORTH, TX 76121

If you write and expect a reply, be certain to include a self-addressed envelope and, since Keith has limited hours available, do not ask for special services. He will attempt to provide answers to questions in future columns of Satellite News.

QCWA 1990 CONVENTION KANSAS CITY !

HOSTED BY MIDCONTINENT CHAPTER #35
OCTOBER 12 - 13
KANSAS CITY MARRIOTT PLAZA HOTEL
4445 MAIN - KANSAS CITY MO 64111

CALL 1 800 228 9290 OR 531-3000 (IN KANSAS CITY) ASK FOR SPECIAL CONVENTION RATE.
\$69. THE CUT OFF DATE IS SEPTEMBER 10. ACT SOON, AS WE HAVE ONLY ONE
HUNDRED ROOMS GUARANTEED! ADDITIONAL DAYS AVAILABLE AT THE SAME RATE.
DELTA AIRLINES HAS SPECIAL RATES FOR US.

AIRPORT BUS TO HOTEL DOOR
RV PARKING CLOSE BY
HOST COMMITTEE WILL MEET YOU IN LOBBY
HOSPITALITY ROOM OPEN FULL TIME
KANSAS CITY WILL SURPRISE YOU !!!

====cut here=====cut here====

NAME _____ CALL _____
SPOUSE _____ CALL _____
ADDRESS _____
STREET CITY STATE ZIP

QCWA MEMBER REGISTRATION.....\$ 10.00 AMOUNT \$ _____
(No Charge for Spouse or Guest)
Saturday Morning Breakfast...(each).....10.00 _____
Saturday Evening Banquet...(each).....25.00 _____
Choice: Chicken Lucille _____ Prime Rib _____

Thursday - Toonerville Trolley Tour - NO CHARGE !
Friday - "Heart of America" City Tour.....Lunch Included.....30.00 _____
Saturday - Kansas City Art Adventure.....Lunch Extra.....18.00 _____

TOTAL ENCLOSED \$ _____

MAKE CHECKS PAYABLE TO: QCWA CHAPTER #35 c/o Bill Cramer, WØZL
6800 Woodson
Overland Park Kansas 66204

DON'T WAIT - DO IT TODAY !

LET'S TALK TOURS TOURS TOURS

THURSDAY IS FUN DAY----ALL DAY! MILDRED ARNOLD W0CCO HAS ARRANGED FOR YOU TO RIDE THE "KANSAS CITY TROLLY" FOR FREE!!! ARRIVE EARLY THURSDAY - OR EVEN BETTER, WENESDAY, SO THAT YOU CAN SEE OUR SURPRISING CITY BY TROLLY.

FRIDAY - DEPART THE HOTEL AT 9:30 TO TOUR THE "HEART OF AMERICA", THEN LUNCH AT AN EPICUREAN FAVORITE, STEVENSON'S APPLE FARM RESTAURANT.....!!

MENU.....HICKORY SMOKED CHICKEN
FROZEN FRUIT SALAD
GREEN RICE
APPLE PIE WITH BRANDY SAUCE
HOT BREAD-APPLE BUTTER
COFFEE-TEA

THEN ON TO PRESIDENT TRUMAN'S HOME TOWN FOR A LOOK AT HISTORIC INDEPENDENCE AND THE TRUMAN LIBRARY. WE RETURN TO THE MARRIOTT PLAZA AT 2:30.

SATURDAY - OUR BUS AND GUIDE CALL FOR US AT 10:00 AM. WE GO DIRECTLY TO THE NELSON-ATKINS MUSEUM OF ART WHERE WE ARE MET AND ESCORTED BY A MUSEUM DOCENT. THE "NELSON" IS ONE OF THE MOST COMPREHENSIVE ART MUSEUMS IN THE COUNTRY. ESTABLISHED IN 1933, THE MUSEUM HAS ACHIEVED AN INTERNATIONAL REPUTATION FOR ITS ORIENTAL COLLECTION. ALSO LOCATED ON THE GROUNDS IS THE HENRY MOORE SCULPTURE GARDEN. ALL TWELVE OF THESE TREASURES ARE LARGER THAN LIFE SIZE! YOU ARE ON YOUR OWN FOR LUNCH AT THE MUSEUM'S ROSSELLE COURT. NOW, YOU CAN EITHER RETURN TO THE HOTEL OR THE BUS WILL TAKE YOU TO THE COUNTRY CLUB PLAZA AND CALL BACK FOR YOU AT 3 PM.

QUESTIONS???? WRITE: BILL Mc GRANNAHAN, K0ORB
GENERAL CHAIRMAN
4826 JARBOE, KC MO. 64112

OR CALL: 816-561-0730

MORE TO COME IN THE NEXT JOURNAL



SECRETARY/TREASURER'S FORUM

After reading the last column you should have a good idea about how to organize your records. Probably your chapter application will be a 8.5x11 sheet and the other files will be cards, at least that's an easy way to start. When I commenced my records, that was the format I used. I had, in addition to the regular size paper file (which was chapter member applications in last name alphabetical order), several card files: One was in call sign order, another in QCWA membership expiration date order, and others in year of original license order, QCWA membership number order, and chapter membership number order. That might sound as if I spend full-time working on chapter records. No so! Once the initial work is complete, it is quite easy to keep the record system up-to-date. In my chapter, I may spend two hours a month at a maximum, with routine record matters.

Now on to ZIP+4 Codes. Although it is beyond the scope of this article to get into any specific detail, the implementation of ZIP (Zoning Improvement Code) by the United States Postal Service, commenced in 1963 as a five digit number. The addition of a dash and the last four digits, too, has been in effect for several years. Use of the basic, five digit ZIP, of course, allows the postal service to sort at city level. Use of the full nine digits (known as ZIP+4) allows sorting to individual carrier level. In my opinion, the system management and automation potential of ZIP has barely commenced to be realized. The word "rapid" takes on a whole new meaning when applied to the present day postal service machines which sort 30 to 40 thousand pieces of typed or imprinted ZIP mail per minute. It is not difficult to understand that mail intended for delivery some distance from you, and bearing a correct and properly prepared ZIP+4 will move faster than handwritten communications, which must be sorted by humans.

As time marches on, bulk mailers, such as QCWA Headquarters, will have cost incentives imposed, and will ultimately be required to use ZIP+4. Just how does this affect you as a Secretary? Would it not be prudent of Headquarters to just send in their massive data base of our current mailing addresses to the postal service for free coding? Yes, the postal service will encode that data base, and quite probably do so at no cost. So why should a chapter secretary spend time to ensure that chapter level ZIP+4 in the national data base is correct?

The answer is this: Those of us at the chapter level are in a much better position to determine whether a chapter member's address is correct, than is a remote postal service computer. If HQ were to send the data base, every street spelling error, wrong directional designator, city spelling error, and many other problems would surface and require thousands of hours of cost and research which is better done at the chapter level. In some cases, try as they might, HQ would never be able to determine a correct address for a member in an area thousands of miles away.

Do I advocate you, as Secretary spending time doing ZIP+4 research? No! I want you to let the postal service do this work for you at no charge. My chapter did this, and so can you. USPS is more than happy to help you help them. If your chapter is small, the local postal service may be willing to do the research for you, a few at a time. If you have a large chapter, contact your Postmaster (or Delivery Supervisor) and ask how to contact the nearest AISO (Address Information Specialist Office), or get the postal service to have the AIS contact you. When you speak to the AIS or AISO, tell them what you need and ask how they can help you. If you have any problems at all, I will be more than happy to assist you and get the USPS to help you...for free! Once you have a ZIP+4 for each chapter member, send the information to Headquarters and it will be input into our current member data base. Thereafter, you will see the product of your work on each issue of "REPORT 1."

Unless your chapter is very large, and you have designated a member to handle awards, the chapter members expect the Secretary/Treasurer to manage the awards program for the chapter. Like most other administrative tasks, once the awards program is organized, it is very easy to be kept current. In fact, the personnel at Headquarters have already done the majority of the work for you.

Do you remember when this series started, I told you that you would be using "REPORT 1" and "REPORT 2" quite often? In the Winter, 1989 issue of the Journal we discussed the importance of being sure that all data for each chapter member was correct. If you remember, you were to check your chapter records against "REPORT 1" and ensure that such things as FL (year First Licensed), EXDATE (EXpiration DATE of QCWA membership), and L (Life member), as well as the call, name, address and ZIP are correct, or write to Headquarters with the corrected information. You also were, if possible, to check JOINDATE (the DATE your chapter member JOINed QCWA), and at least ensure that each member has a JOINDATE which appears to be reasonable. JOINDATE is found on "REPORT 2", which is Page 2 of the QCWA MEMBER INFORMATION report. Let's turn to "REPORT 2" at this time.

Once again, when looking at "REPORT 2" you will find familiar data fields, such as REVISED, CALL, NAME, JOINDATE, FL, and FCALL. All of those fields should be complete with some information, in order to use this form for your chapter awards program. After FCALL, you will find eight columns of diagonal marks. Some of the columns may already filled in with dates. As you've guessed, the order for these columns is DD/MM/YY, for Day, Month and Year. If a date appears in, say, the 50 YEAR column, that is the date the member received the QCWA Golden Award, commemorating the 50th year after the original amateur radio license was issued either by the Department of Commerce or the Federal Communications Commission. If a date appears in the 55 YEAR column, that is the date the member received the 55 year endorsement sticker to be placed on the Golden Award. The column, then, for 50 YEAR denotes the award date for the Golden Award, and the columns from 55 YEAR through 75 YEAR indicate the award date for endorsements to the Golden Award. The column entitled CENTURY is for the date the QCWA Century Award was bestowed. The column named CONTINUS will contain the date the QCWA 50-year Continuously Licensed Award is made, when that time is reached. The column marked BIRTHDAY is just that, and will be required for calculations of the Century Award, as we will see in a moment.

It is quite possible that some of your chapter members will have awards due them. It is always a great program for a chapter meeting when the awards are made. In order to calculate the 50 YEAR through 75 YEAR award, all you do is merely use the date in the FL (First Licensed) column and add 50, or 55, or 60, and so forth, to that date. Any chapter member with a year earlier than 40 (1940) is overdue for awards, and it might be a good idea to do these first. To calculate, merely add the FL date to the 50, or 55, or 60, or whatever award. For example, a member with a FL of 40 (1940) is due for the Golden Award in 1990 (1940 + 50 = 1990), and will be due for the 55 YEAR endorsement in 1995 (40 + 55 = 95). A member with 54 in the FL column will be due for the Golden Award in 2004. A member with a FL of 28 was due for Golden Award in 1978. After doing the calculations, check your math and write Headquarters listing the member's name, call and member number and the award requested. These awards are free. Allow plenty of time both to order and receive the awards by mail prior to your next meeting. My chapter always make awards at the first meeting of the new year, for those who will earn their award that year.

The Century Award is based upon both the member's age and the number of years of membership in QCWA. The award is made when the sum of age and membership term equal 100. The year of birth, in the last column on "REPORT 2", and the year in JOINDATE, will enable you to make a reasonable calculation. If your result is 100 or more, write Headquarters and ask them to confirm, from the official records, your expectation that the award is due. This award is also provided at no charge.

The Continuously Licensed Award is the only one which requires an application and has a modest cost associated with it. On the application (available from Headquarters and may be copied locally) your member recites all calls held and other basic information, then mails the form the Headquarters with the fee of \$5.00. Some time is required to research the information on the application, then the award is made. This award may be better handled between the individual chapter member and Headquarters, because the chapter secretary might not be aware of previous call signs and the years held. It should be noted that neither World War I nor World War II will affect the issuance of this award.

For those reading this column who are not members of a chapter, you may do the same calculations and communicate directly with Headquarters about your awards. Awards in QCWA are not limited to those who are members of chapters.

Hopefully, this information on awards is useful. Good Luck.

Your comments and suggestions for Chapter activities and chapter helps will be appreciated.

PLEASE SEND YOUR COMMENTS TO:

John R. Miller, WOIKT
401 Tiffany Dr
Anderson, NSC 29625-1815



QCWA JOURNAL

SUMMMER, 1990
VOLUME 39, No. 2

QCWA SILENT KEY MEMBERS

Hobart, Russell F	W1AAR	8,776	1990	Dudley, James B	W5HYW	19,321	1990	Ports, C C	W8PWA	5,756	1990
Morris, Stephen H	W1AQE	3,543	1990	Stephens, Robert C	W5MKX	4,338*	1990	Coffe, Stuart A	W8RDD	19,551	1990
Hutchins, Charles P	N1BJW	15,395	1990	Fleniken, Joseph G	K5MMV	12,579	1990	Lang, Walter E	W8UDO	15,759	1990
Hubbard, Bertram A	K1GHL	18,038	1990^	Preston, James L	W5NDB	12,589	1990	Hebal, Fred	W9AXQ	8,751	1990
Moskey, Joseph A	W1JMY	4,701	1990	Pool, Eugene C	W5NFO	9,000	1990	Reiter, Kenneth L	K9DBL	22,085	1990
Le Febvre, Ernest N	K1PNL	20,129	1990	Pipes, T C	W5PLQ	13,055	1990	Adams, William	W9FNN	8,208*	1990
Plummer, John A	W1VN	2,751*	1990	Ball, Laurel Stanford	K5TLP	17,632	1990	Avery, Arthur A	W9IUJ	17,551	1990
				Schreiber, S A	KD5UQ	17,387	1990	Spudic, John J	W9NGB	11,503	1990
				Biernschenk, Roman	W5VLF	14,581	1989	Perry, Kathryn M	K9VMP	19,171	1990
Allen, Hugh E	W2BZ	5,243*	1986^								
Harvey, Walter J	W2DHS	13,526	1989	Robinson, William T	K6HLR	5,706	1990	Johnson, William F	K0ABK	16,234	1990
Bechberger, Paul F	K2GH	8,155	1990	Latourell, D D	W6IG	5,824	1989	Laird, Darrel E	W0HA	2,817*	1990
Vierling, Robert F	W2HPW	9,348	1990	Canfield, N A	W6KKF	5,617	1989^	Williams, Carl F	W0OMN	8,488	1990
Podd, Ted	W2KX	8,562	1990	Gluseppe B Costa	W6NEQ	4,451	1990^	Failing, Robert M	W0PNV	12,769	1990
Larmon, David J	W2QPW	12,039	1986	Hoff, James T	NR6O	23,006	1990				
Ludy, Ralph W	W2RNV	19,296	1989					Hord, W George	VE3ARW	11,746*	1990
Woodward, Claude R	W2VDW	11,626	1990					Thornton, C Ray	VE3RT	11,235	1990
Williams, Rufus L	W3UBZ	16,840	1990	Hazelbaker, Frank W	W7FTD	15,227	1990	Fendler, Ernst	DJ1JK	13,068	1988
Savalle, Royce C	W4BIF	17,594	1990	Smith, Elbert L	N7GYJ	21,673*	1990	Lemensiek, Willy	DL1QQ	15,201	1990
North, William L	W4BX	3,081*	1990	Homring, Allan E	W7LTS	14,505	1989	Kalmar, Oscar	HA5DH	4,170*	1990
Salisbury, Ken	W4GIP	11,266	1990	Moore, Robert L	W7RER	11,997	1990				
Embry, Robert S	W4HHQ	6,397	1990	Leighton, L G	W8FL	3,695	1990				
Bogardus, Florence E	W4HRC	13,245	1990	Andrews, George T	W8GGH	11,101	1990				
Cook, Edward J	K4JEU	14,631	1990	Franke, Russell H	W8GNJ	2,734	1990				
Salisbury, Lawrence E	W4LHI	20,863	1990	Rich, Gilbert L	W8HIN	12,445	1990				
Hafely, Charles H	W4NZA	10,144	1986^	Dvorski, John J	W8JED	4,854	1990				
Daughtrey, E Fay	NS4R	19,247	1990	Tune, Harold J	W8LZE	2,326	1990				
McGarity, Marvin J	W4WU	15,008*	1990	Hadsell, Philip R	W8MJT	16,935	1990				
Polk, Hollis E	K4WW	1,116	1990	Rex, Charles J	K8MZS	16,893	1990				
Huggins, James	KB4YK	852	1990	Myers, George J	W8NXF	10,203	1990				
Stern, Philip	WA4ZVO	12,690	1990								

* QCWA Life Membership

^ Date of passing uncertain, information requested

List Includes all Silent Keys Reported Through
May 3, 1990

LISTING OF THOSE WHO HAVE CONTRIBUTED TO THE QCWA SILENT KEY MEMORIAL FUND

Chapter 53	In memory of W8GGH
Chapter 39	In memory of W8LZE
Chapter 19	In memory of K0ABK
Chapter 138	In memory of All Silent Keys
Chapter 1	In memory of W8PBZ, W8OQV, W8CEM WA8COJ, W8KCY, K8LXL
Chapter 82	In memory of All Silent Keys

The QCWA Memorial Scholarship Fund has an
approximate balance of \$90,000 as
this is written, May 9, 1990

The Fund will issue seven scholarships in 1990, each in the
amount of \$750.

Awarding of QCWA Scholarships is administered by the
Foundation for Amateur Radio

Requests for scholarship Awards may be addressed to:

FAR Scholarships
6903 Rhode Island Ave
College Park, MD 20740

CONTRIBUTORS TO THE QCWA BUILDING FUND

NF6P
Chapter 109

The QCWA Building Fund balance is approximately
\$11,000 as this is written, May 9, 1990

Contributors listed herein are those that have been recorded
since publication of the Spring, 1990 issue of the QCWA
Journal

QCWA is a Tax Exempt Organization
as defined in IRS Code 501(c)(3)

Contributions to the Memorial and Building Funds
are valid tax deductible items in your Federal
Tax return. Contributions are welcomed.

ON AIR SCHEDULES - CHAPTER INDEX

QCWA JOURNAL
Volume 39, No. 2

SCHEDULED ON THE AIR MEETINGS

1	Cleveland Chapter	Wed	2400Z	W8OXA	146.88
2	Chicago Area	1Th	2100L		147.15
4	Northwest Chapter	Sun	1630Z	W7PN	3655
		Sun	2000Z	W7FNC	3952
		Sun	2300Z	W7AZI	3952
5	Delaware Valley	Sun	1445Z	W2HX	3917
6	Pittsburgh	Sun	1330Z	W8CSU	147.63
		Sun	1400		
7	Southern California	Sun	0900L	W6FQ	3917
		Sun	1100L	K6BA	3695
		Sun	1000L	W6ZRZ	146.805
8	Upper Midwest	Sat	0800L	W0KHG	3880
9	Dayton/Cincinnati	Sun	1800Z	W8DWT	3987
10	Michigan	Sun	1200Z	- V -	3903
11	Northern California	Sun	0930L	W6BCM	3907
		Sat	1000L	W6FQA	146.25
14	San Diego	Wed	0400Z	K6QM	145.52
15	Tulsa	Sun	0645L	W5FUR	3830
		Sun	0930L	W5DFU	7157
16	Arizona	Sun	0800L	W7ER	3890
20	Baltimore	Mon	2100Z	W3EE	147.28
21	Canton, OH	Wed	0130Z	W8OYV	147.42
25	Nebraska	Sat	0830L	W0EUT	3982
27	Houston	Thu	2000L	W5CCD	3866
28	Central New York	Sun	1030L	- V -	3917
31	Reading, PA	Mon	0100L		146.91
32	Gator	Sat	1200Z	W4OIN	146.37
33	Gunderson-Penn-Jersey	Sun	0100Z		3982
		Dly	2000L		3980
35	Mid-Continent	Thu	2030L	W0WHK	146.37
36	Northwest Indiana	Wed	0100Z	W9NGB	145.45
38	San Antonio	Sun	2030L	N5EN	28650
41	Dallas	Sun	0715L	- V -	3835
44	Nevada	Mon	2000L	W9RU	145.39
45	Citrus	T&T	0030Z	K4KQ	147.225
46	Founders'	Sun	1615Z	W2DP	3917
		Thu	2030L	W2DP	148.360
		Dly	1500Z		7153
48	Treasure Coast	Sat	0900L	K4VN	3855
49	Atlanta, GA	Sun	1300Z	W5CNO	3835
54	Tyler Texas	Sun	1430Z		3985
55	Wisconsin	Sun	0930L	W0ERR	146.076
58	Colorado	Sun	1700L	W4EWR	3875
60	East Tennessee	Sun	0800L	W8HIX	3663
61	Detroit Metro	Sat	0900L	K4BRC	3940
62	Suwannee	Sun	1400Z	V	3855
63	Central Oklahoma	Sat	1530Z	V	3933
64	El Paso	Sun	1330L	W2SD	3900
65	Niagara Frontier	Sun	1400Z	VE3CD	3772
73	Southern Ontario	Sun	1700Z	VE3TO	7090
		Sat	0830L		3917
75	Central California Coast	Sat	1300L		7180
76	Blue Ridge Chapter	Sun	1800Z	W2OJW	3917
77	Northern New Jersey	Fri	0100Z		147.285
79	Sunflower Chapter	Wed	2100L		146.82
		Sat	1400L	W0AWP	3610
		Sat	1400L	W0MYM	3915
80	Caloosa	Wky	-		146.52
81	Long Island Chapter	Sun	1130Z	W2AMI	3917
84	Florida	Mon	0130L	KF4BU	146.28
85	Ark-La-Tex	Mon	0100Z	K5LFJ	146.67
87	Evergreen	Sun	1500Z		3985
89	Palmetto State	Sat	0900L	W4EGH	3927
		Sun	1700L	N4LS	3695
90	Razorback	Sun	1300L	W5MYZ	7230
92	Northern Lights	Sat	2000Z		29000
96	Gateway	Sat	1600Z	W2KGI	3933
102	Dakota	Sun	1400Z	W0HOJ	3890
104	Treasure State	Sat	1700Z		3938
106	German	Mon	1700Z	DL9AR	3663
		Tue	1730Z	DJ2ZB	3555
107	Central Florida	Sat	0900L	W4LHP	7243
		Thu	1400Z		21380
109	Baton Rouge	Sun	0830L	W5URR	3905
		Sun	2000L	W5URR	146.19
110	Kansas	Sat	0730L		3920
112	Yankee	Sun	0830L		3902
114	North Texas Chapter	Sat	1430Z	WB5PHM	3943
117	Appleseed	Mon	0130Z	W8JYY	147.96

118	Coastal Carolinas	Mon	2000L	W4EHF	146.28
120	QC Wireless Women	Tue	1900Z		14295
122	Lake Erie-Tri State	Sun	1430Z		3915
123	Lee deForest	Sat	1330Z		3885
125	Halifax Chapter	Tue	1930L	K2HWF	147.15
126	Piedmont	Sun	0900L		3935
128	Pelican	Sat	1000L		145.29
130	Inland Empire	Sat	0800L		3862
131	Gulf Coast	Tue	0900L	WF4V	28750
134	Pine Tree	Sun	1930Z		3942
135	Mid-Michigan	Tue	2000L		146.40
138	Central New Jersey	Tue	2200L	W2DME	147.045
140	Wyoming	Sat	1500Z	W7MZW	3923
143	North Colorado	Sun	0830L		145.115
146	Twin State	Sun	0830L	W1SVT	3897
149	Nutmeg	Sun	1630Z	KA1SJ	3923
150	Del-Mar-Va	Sun	0900L	W3BY	146.22
151	Wild Rose	Tue	0200Z	VE6EO	7070
152	Royal Palm	Dly	1800Z	W4LZV	3910.
		T&T	1830Z	W4LZV	14180
157	Pony Express	Sun	1430Z	K0TUH	3955
160	Utah Chapter	Sat	1730Z	W7FVM	7272
162	Southeast Wisconsin	Thu	0300Z		147.27
164	Big Bear Lake	Sun	0300Z	K6GCF	147.33
165	York County	Thu	0200Z	W3AXC	146.94

QCWA INTERNATIONAL & REGIONAL NETS

QCWA INTERN'L	Sun	2000Z	W6FQ	14347
QCWA CW NET	Wed	2000E	W5QU/W4PI	7035
Florida SSB	Sat	1300Z	K2SN	3955
NE Regional	Sun	0845L	KA2IXW	3917

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CHAPTER NEWS & REPORTS

QCWA JOURNAL ON CASSETTE

The QCWA Journal is available on cassette tape for members who have trouble reading the printed edition.

For information write to:
Blanche Randles, W4GXZ
HCR 32, Box 591, Stoddard, NH 03464

NORTHERN NEW JERSEY No. 77

Henry J. Dull, W2PHW
1 Longstreak Rd, New Foundland, NJ 07436

Northern New Jersey Chapter 77 held its annual spring luncheon at the Afton in Florham Park. A total of 43 members and guests were present.

A most interesting talk was given by Stephen Mendelsohn, WA2DHF, ARRL Hudson Division Director and member of Chapter 77. Steve is with one of the major television networks and he had been on assignment to cover the Bush-Gorbachev meeting last December off Malta. Steve showed us many fine slides of Malta and his commentary and recollections of his encounters with President Bush and others, were most vivid and enjoyable.

As busy as he was, Steve found time to operate a mini-DXpedition as WA2DHF/9H3. Everyone had a delightful time at the luncheon and we all thank Steve for his superb presentation.

DEL-MAR-VA No. 150

George S. Williams, W3PVO
703 Marshall St., Milford, DE 19963

The QCWA Del-Mar-Va Chapter No. 150 held a banquet dinner meeting in Harrington, Delaware, at the Colony Inn, January 14, 1990. Our outgoing President, Bill Kuning, W3BY, thanked his fellow Officers, Board of Directors, and Chapter members for their cooperation during his administration.



The newly elected officers for 1990 are pictured above, L-R are: W. Lloyd Carter, W3UWO, Vice President; Walter L. Brink, W3WPY, President; George S. Williams, W3PVO, Secretary/Treasurer; and T. Allen Phillips, W3DOG, Installation Officer and Historian, who served as the First President with 12 Charter Members in 1984 - the Chapter now numbers 39 members.

Following installation, the group was privileged to see and examine the very

popular Ten-Tec OMNI V Transceiver on display by the proud owner, Walter Brink, W3WPY.

The dinner, with the XYLs present and having our Chapter banner prominently displayed, was a most enjoyable one.

BATON ROUGE CHAPTER No 109

El Charlton, W5MD
1533 Outrigger Dr, Baton Rouge, LA 70816

A QCWA Breakfast was held on Sunday Morning, the 11th of March, during the Lafayette, LA Hamfest. The restaurant at the Holidome Motel hamsite sat a maximum of 60 persons and we had 59 members and their guests present. Two Golden Anniversary and a Meritorious Service Award were presented by Director El Charlton, W5MD.



Recipients of the Golden Awards, pictured above, at left, Charlie Traylor, W5HQA and, at right, John Wondergem, K5KR. El, W5MD in the center.

The Meritorious Award was presented to George Gelpi, K5RGI, pictured at right, for his continuous and unselfish devotion to Baton Rouge Chapter. Hearty congratulations go to these three fine Gentlemen. Present at the breakfast was another Director, Arthur Kay, W5APX. We also had a large number of members present from the state of Texas. Everyone enjoyed a hearty breakfast and good comradeship. We are looking forward to next years breakfast!



SAN DIEGO No. 14

Bob McDonald, KE6VB
1029 Hemlock Ave, Imperial Beach, CA 92032

The spring meeting of Sand Diego Chapter 14 was held at the Admiral Kidd Officers Club, Sunday, April 1, 1990, under the direction of Jack Phelan, W6FH, Chapter President. There were sixty-six members and guests in attendance, including Bill Stewart, K6HV, President of Southern California Chapter 7, with a contingent of former Collins Radio Employees from the Los Angeles area and Bob Rickey, NF6P, President of Inland Empire Chapter 130.

Guest speaker for the meeting was Ernest "Pappy" Pappenfus, K6EZ, a former



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Collins Radio Engineer, having been one of the first to work with Art Collins on single sideband radio development. He gave an excellent presentation on the early days of SSB development for amateur radio during the 1950 - 1960 period. He mentioned that several of the former Collins engineers in attendance, had been instrumental in developments leading to the Permeability Tuned Oscillator, Mechanical Filter, PI Network and RF Linear Amplifier. It turned out to be a very interesting presentation from both a technical and historical point of view.

Sybil Allbright, W6GIC, Chairman of the 1990 ARRL Southwest Division Convention to be held in San Diego, August 24-26, provided a synopsis of the scheduled convention events. They will include Commercial and Organization Exhibits, a Flea Market and Technical Sessions. The Banquet Speaker will be Astronaut Ron Parise, WA4SIR and the Master of Ceremonies, Roy Neal, K6DUE. She also encouraged any of the membership who could be available to assist in helping run the Convention.

George Mitchell, K6ZE, presented the chapter "Survivors Assistance Handbook". This document was developed by Chapter 14 Survivors Assistance Committee and provides a detailed log for existing equipment; monetary value and a list of places where amateur radio equipment can be posted or sold in the San Diego Area. This document should be of great value in assisting survivors in disposing of equipment.

SHENANDOAH CHAPTER 137

Guy Black, W4PSJ
1201 Woodside Dr, Winchester, VA 22601

The Shenandoah Valley Chapter No. 137 met on Wednesday, March 21, 1990 at Jimmy's Restaurant, Holiday Inn, Rte 50, East of I-81, in Winchester, with 28 members and guests. Lloyd, NC8G, was particularly welcomed after along absence due to health problems.

Following business formalities, Charles Anderson N3FX was presented his Golden Anniversary Certificate endorsed for 55 years of service. Charlie noted that the code test for his original license had been administered by George Sterling, using a hand key.

That Larry, W4LHI, has passed away since the last meeting was noted, as was the illness of Irv Lavitz, WD4JSN. N4MM reported on League affairs, noting a planning session scheduled for May 19-20, in Ashville, North Carolina. Bill Grenfell reported on a recent Old-Timers' get-together at the Ft Meyer Officers Club. President Johnson raised the question of a Chapter presence in some form at the Berryville, Virginia Hamfest, scheduled for August 5, 1990.

Recycling in the Nineties was the subject of a talk by Gary Williams, Chairman of the Resource Committee of the Winchester Chamber of commerce. He noted the mandate from the Virginia legislature to reduce solid waste brought to landfills by 25 percent by 1995, that many landfills have already been closed, and space for new ones is expensive and hard to find. In many places, households and businesses already are required to sort out solid waste by types to expedite recycling, and the practice will spread. Fees for disposal of trash are certain to increase sharply, and provide a real economic incentive to minimize trash. Careless habits of the past, such as dumping old motor oil in ditches and drains is responsible for many instances where expensive cleanup is necessary. Chapter members called to the speakers attention that hams were experienced recyclers of electronic gear from government and commercial surplus, and had even made antennas out of discarded beer cans when they were still made of steel.

The next meeting will be held May 17. The program was scheduled to be a documentary film on the life of Guglielmo Marconi.

HOW ABOUT CASTING YOUR VOTE?

SUNCOAST CHAPTER No. 53

Robert Bookwalter, W4NWF
728 Valencia Rd, Venice, FL 34285

Suncoast Chapter held its regular luncheon meeting at the House of Chong in Sarasota on April 5, 1990. There were 66 members and guests present. President Bob Bookwalter, W4NWF, opened the meeting by introducing those at the head table. They were: John Karban, W3IGC, Secretary and his wife Esther; Larry Pearsall, W9FDY, Treasurer and his wife Bea. After receiving the reports of the Secretary and Treasurer, visitors were introduced.

George Andrews, W8GGH, was reported as a Silent Key. The Treasurer was instructed to send the usual contribution in his memory to the QCWA Scholarship Fund. Wilson Baird, W8MBB, was reported to be out of the hospital and on the road to recovery.

The President then asked Frank Lester, W4AMJ, to come forward. He was given a picture taken of Frank and President Bookwalter with the plaque received from National for the John Di Blasi Award. The picture was taken by Dick Miller, W8KNB. He promised to provide a copy for the Chapter History book.

The Nominating Committee announced that John Karban and Larry Pearsall would continue as Secretary and Treasurer. No nominee was offered for President and Vice President. After the meeting Corby Pratt, K4WV, volunteered to be President.

Swede Hogberg, W4TAH, asked that members check TV Ch 13 for interference between 5 and 6 AM and report findings to him at 377-6587. This information is wanted by the FCC. John Willig, W8ACE, introduced Al Matlick, W2TKU, who has had varied experiences in law and electronics in the Army and with General Electric, where he held many positions here and abroad. Al took early retirement and moved to Sarasota where he is best known for chairing the 1988 and 1989 Sarasota Hamfests. Al gave an interesting talk and slide presentation on the equipment needed and the procedures and many uses of packet radio.

SUWANNEE CHAPTER 62

Joseph R Chartier, W1RFE
3637 SE 31st Ter, Ocala, FL 32671

The Suwannee Chapter #62 at the first meeting for 1990, February 23, voted to change the meeting days from Saturdays to Thursdays on even numbered months, to avoid conflicts with many other amateur activities which often occur on weekends. Meetings scheduled for the balance of 1990 are: June 28; August 23; October 25 and December 13, on Thursdays at Don's Smorgasbord in Ocala, Florida at 11:30 AM.

The Chapter welcomes any and all QCWA members to attend the meetings and is currently sending a mailing to QCWA National members in our area, who have no local chapter affiliation. The Chapter dues will be waived for any new QCWA members for the balance of 1990.

The Suwannee Chapter Net meets each Saturday at 9 AM, local time, on 3940 kHz, with K4BRC, Ed Gaudet, as Net Control and we encourage check-ins from any QCWA member living or vacationing in Central Florida.

GOLDEN TRIANGLE CHAPTER No. 173

Harold E Beaver, W0LYN
40 Aberdeen Cir, Leesburg, FL 32788

We were very pleased to receive our Charter so quickly. It was displayed to our members at our recent breakfast meeting. Pictures were taken and will be supplied when available. The Chapter is growing as we seem to gain a new member with each breakfast meeting. It might be noted that many of the New



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members in Florida are joining because of Golden Triangle Chapter.

On November 3 & 4, 1990, the Lake Amateur Radio Association will be having a two-day hamfest at the Eustis Fairgrounds. We expect to have a table at that hamfest to promote QCWA. We will need materials for distribution at that time and hope to have managed to purchase our banner by then.

BEAVER STATE CHAPTER 108

Fred Dickson, W7
38566 Parkside Rd, NE, Albany, OR 97321

The Beaver State Chapter held its first meeting of 1990 on March 18, at Nendel's Inn, Eugene, Oregon. Normally the first meetings is in February but storm conditions caused a postponement this year.

Announcements were made concerning the forthcoming SEAPAC and Northwest Division Ham Convention in Seaside, 1-3 June, and that there would again be a QCWA booth and at the QCWA luncheon will be Past President, Leland Smith, W5KL; Director Jim Walsh, W7LVN and General Manager, Ted Heithecker, W5EJ.

It was decided to hold our next meeting on a Saturday to ease the problem of finding locations for our meetings at the Sunday noon dinner hour. Thus our next meeting is scheduled to be held in Corvallis on Saturday, May 18, at a place to be announced.

The meeting was concluded with a showing of ARRL's latest tape introducing Amateur Radio to the public.

WASHINGTON, DC SPRING BANQUET

John Kelleher, W4ZC
612 Ednor Rd, Silver Spring, MD 20905

The 34th annual Spring Banquet for Washington area amateurs took place on March 17, 1990, at Fort Myer, Virginia. The affair was sponsored by QCWA Chapters 23 and 91 (Washington, DC and Vick Clark) and by the Foundation for Amateur Radio. Nearly a hundred hams and guests were on hand.

After an excellent dinner, QCWA President Harry Dannals, W2HD, presented certificates and awards to more than 20 of those present. Hugh Turnbull received in person the QCWA Distinguished Service Plaque which had been awarded in absentia at the 1989 Convention in Baton Rouge, Louisiana. Stuart Meyer, W2GHK (a past president of QCWA) received his Century Award (given when the sum of one's age and years of QCWA membership equals 100 or more).

President Dannals presented a 70-year certificate to Tom McNulty, W3ZG, who represented the 22 others who also received certificates for 50, 55, 60 or 65 years since their first license. In making these presentations President Dannals noted that just this group of 23 awardees had aggregated a total of more than 1300 years of amateur experience. Awardees in addition to W3ZG, were 65 Years: N3PBHC; W4NBH; 60 Years: W4GF; W3ACE; W3AUR; 55 Years: W4HV; W4ZEI; W3IR; W3UJ; K4EUX; W2GHK; W3RY; W3EPR; W3EIL; K3USO; N4MLC; W3LOV; WRDIN; 50 Years: W3TFA; K6IR; K4MM; W4HU.

The guest speaker was Bruce Brown, WA9GVK, Deputy Director for Architecture of the Joint Tactical Command, Control and Communications Agency. Bruce described some very interesting and unusual applications of frequencies in the HF range for specialized non-amateur communications, and showed pictures of some of the equipment involved.

**CHECK YOUR MAILING LABEL FOR
ERRORS, ADVISE HQ !**

A WORD FROM W6ATC

Harry S. Gartsman, W6ATC, Past President of QCWA, sent a note reporting the passing of Oskar, HA5DH. Word came from Harry's friend, Nicholas Holles, writing from Budapest, Hungary. HA5DH passed away on February 13, 1990. Long ago Harry had sent a 3-element Quad to Oskar who used it for his many DX contacts through the years.

NATIONAL CAPITAL CHAPTER 70

Ralph Thomas, VE3GG
2180 Benjamin Ave, Ottawa, ON K2A 1P4

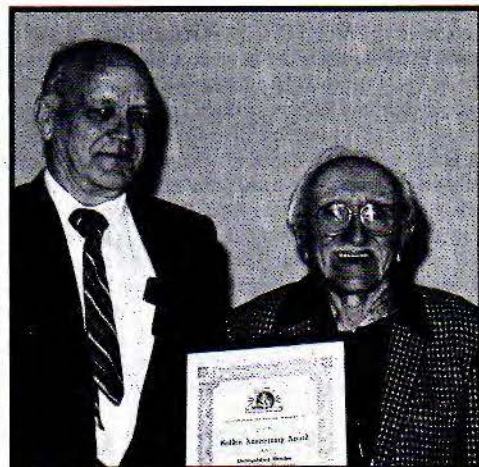
The Chapter's annual general meeting was held November 15, and the officers elected for 1990, pictured below, are, L-R



Hap Chafe, VE3IMW, Director; Bill Barrie, VE3AAS, Director; Merve Lemke, VE3CV, President; Ralph Thomas, VE3GG, Scty/Treas; Clare Fowler, VE3NPCC, Director.

President Carl Everson, VE3BYX, formally presented QCWA 50-Year Golden Certificates #1464, endorsed for 65 years of service, to Hal Parsons, VE3QA. Hal was first licensed as 5EH in 1922, and 1989 marks his 67th year as an amateur radioman.

Following the formal part of the meeting, members were conducted through the new studios of Broadcasting stations CFRA(AM) and CFMO(FM), by George Roach, VE3BNO, Chief Engineer and Harrie Jones, VE3HYS. The stations employ the latest technology, and the members were keenly interested. 24 members attended the meeting and took part.



Our first meeting in 1990 was March 8th, when 23 members attended dinner at Miss Wesgate Restaurant. Ralph Cameron, VE3BBM, gave a very interesting talk on digital oscilloscopes, with a live demonstration. We enjoyed a good get-together after a long winter.

We regret to report that Ray Thornton, VE3RT became a Silent Key on March 24, 1990. Ray will be missed by his many amateur friends. The next Chapter dinner meeting was scheduled for May 30, 1990.

3Carl Everson, VE3BYX at left, Hal Parsons, VE3QA, at right



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CENTRAL NEW JERSEY CHAPTER 138

George W. Hasslinger, WB2CGI
61 Rues Ln, East Brunswick, NJ 08816

Our regular quarterly meeting on February 27, 1990, at the Howard Johnson's Restaurant in Middletown, was well attended. We had fifty-seven members and guests in attendance. President Jerry Havel, W2RRX, announced that seven new members have joined the Chapter since our last meeting. Treasurer Arnold Peterson, AB2N, reported that a number of members are delinquent in the National dues. Health and welfare Chairman Walter Prang, W2HOZ, reported the passing of Chapter member Frank Tukey, KA2EIO. A moment of silence was observed in his memory. Walter also reported that Pat Moran, W2EM, has been ill. According to our Secretary, Harold Clanton, WB2CJE, there are twenty-two chapter members over the age of eighty years.

President Havel, urged everyone to attend our Ninth ANnual dinner meeting on May 6, at the Fort Monmouth Officer's Club. Jerry also suggested the Chapter donate \$300 to the QCWA Memorial Scholarship Fund, in memory of our Silent Keys. This was unanimously approved.

Earl Korf, K2IC, was awarded the QCWA Century Club Certificate along with the 55, 60, 65 and 70 year Golden Certificate endorsements. Earl has had a very interesting flying career, making many transatlantic flights and transporting many dignitaries during World War II. Mindy Rosewitz, Curator of the Fort Monmouth Museum, whose deceased father was Alex, W2KEM, spoke to us about the museum and its activities. She said the museum could use volunteers to sort and classify their old equipment. She urged all to visit the Museum and to visit the Army Mars Station, K2USA.

An audio-slide presentation was given by Phil Petersen, W2DME, on the life and experiences of Elmo Pickerill. In 1910, Elmo was first to transmit from an airplane, in flight. Once again, the Chapter is indebted to Phil for this fine presentation and, to Bob McKinley, W2OMR, for securing the presentation and to the Antique Wireless Association for loaning the program to us.

EL PASO CHAPTER ACTIVITIES

Owen A. Lehr, W5VYB
7731 Gran Quivira, El Paso, TX 79904

Lela Wilson, WB5HPO, a QCWA member and a 57 year licensed Ham operator, donated 98 copies of the American Radio Relay Leagues "QST" publications to the El Paso Texas Public Library. The donation was made in memory of her husband Jimmy Wilson - W5DVL, who became a Silent Key in December, 1987. Jimmy and Lela were first licensed in 1933 and became members of ARRL in that year. He was also a Charter Member of El Paso Texas Area QCWA Chapter No. 64, and long active in local amateur radio affairs. They were friends with another local Ham Operator, Dr. J. R. Hunter, W5AFN, who had been licensed and a member of ARRL in 1925 or earlier. The donated copies of QST had been collected by Dr. Hunter and were saved by Jimmy when Dr. Hunter became a Silent Key. The library donation consisted of the 1925 October & November copies of QST and the twelve monthly copies for the years 1926 through 1933. Lela had previously given the Library their copies of QST for the years following 1933. She still had Dr. Hunter's copies for the years 1934 through 1940 that are available to interested collectors.

PELICAN CHAPTER 128

Paul A. Turner, W1DLP
109 Pindo Palm West, Largo, FL

34640

It is with great regret that Pelican Chapter announces that two of its Charter members and Past Presidents have become Silent Keys. Phil Stern, WA4ZVO, became a Silent Key January 31, 1990. Phil was President Emeritus of the Chapter. He was Co-Chairman of the successful QCWA National Convention

held in St Petersburg in 1986. Jack Mandel, W4PLW, was a pioneer in QCWA with membership number 166. He too, was Past President of Gator Chapter #32 and of the St Petersburg Radio Club, Jack became a Silent Key April 10, 1990.

A special meeting of the Chapter was held February 6, 1990 at Stacey's Buffet to greet our National President, Harry Dannals, W2HD. President Dannals spoke of his plans for QCWA during his term in office. A 75 year Certificate was presented to Bill Franklin, W4KC. This is the second 75-Year Certificate issued to members of Pelican Chapter. Reg Iverson, K4QZ was presented a certificate by Leland Smith, W5KL, in 1989.

On April 26, 1990, members of the Chapter met in the St Petersburg City Council chambers to receive a Proclamation designating the week of April 30 - May 6, 1990, as St Petersburg Amateur Radio Week in recognition of many services the three clubs in the St Petersburg have performed. The request for recognition was sparked by Art Rose, W1PXL and Jay Strom, W9BSL, Chapter President. SPARC and E-Systems ARC also participated in the work leading to the proclamation.

The Chapter will meet during the summer on the third Wednesday of each month at Stacey's Buffet, 34th Street and 45th Ave, North, in St Petersburg, at 11:30 AM. Everyone is welcome. Visiting QCWA members are invited to use the Chapter repeater K9BSL/R 145.29 down 600. An active Chapter net is held each Saturday morning at 10:00 AM. Informal get togethers are held each Monday, Wednesday and Friday at 1600 local.

SOUTHEAST FLORIDA CHAPTER 12

Sid Wolfeld, KJ4AS
2021 NW 35th Terrace, Coconut Creek, FL 33066

During the past season, members of Southeast Florida Chapter 12 volunteered and participated in many community events which enhanced the traditional role amateur radio has always played in providing civic support services to the community.

Member Joel Kandel, KI4T, working his 16th year as coordinator of communications for the WALK AMERICA event for the March of Dimes, coordinated the efforts of 65 amateur radio operators in providing communication services for this annual fund raising effort.

Andy Clark, W4IYT, in his 10th year as head of the Dade County Amateur Radio Public Service Corps, also participated in the WALK AMERICA event as well as the Orange Bowl Parade, the Metro Dade Marathon, a bike tour for the Multiple Sclerosis Society and the Odyssey of the Mind Problem Solving Competition for public and private school students.

Many other Chapter members volunteered their time, equipment and technical knowledge in these community efforts. To all we extend our deepest appreciation and commendations for a job well done. Their unselfish actions in these efforts are in keeping with the highest standards of the amateur radio fraternity.

The Chapter has been fortunate in obtaining several outstanding speakers from Southern Bell Telephone, Florida Power and Light and Florida International University.

During the Miami Hamboree, the Chapter manned a hospitality booth for QCWA which provided complimentary refreshments for all, and served as a recruitment booth for QCWA members.

**PPETITIONS FOR NOMINATIONS IN THE
1991 GENERAL ELECTION SHOULD BE
SIGNED & MAILED BY DECEMBER 1**

1990



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PIEDMONT CHAPTER 126

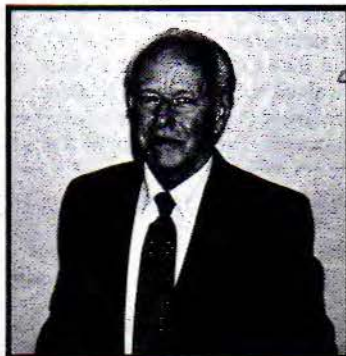
Edward L. Naher, K8YFR
PO Box 748, Pinehurst, NC 28374

The Piedmont North Carolina Chapter No. 126, held its spring quarterly meeting on March 10, 1990 at the Midland Country Club & Resort Center in Southern Pines, NC. This was actually the re-scheduled Christmas meeting originally planned for December 9, 1989. The December meeting was cancelled at the last minute due to a severe snow and ice storm that descended upon on the Piedmont area of North Carolina and made driving conditions very dangerous. The members of our chapter reside in various areas throughout the state and most of them would have travelled at least 100 miles to attend this meeting thus necessitating the cancellation. The re-scheduled meeting was well attended by 34 members and guests who enjoyed an elegant buffet luncheon.



The program for this meeting was delivered by Bradford A Evans, Colonel, U.S. Airforce, Retired. The talk was titled "The Indestructible Abbey". Colonel Evans was the mission commander and lead pilot of a 224 bomber force that destroyed the Monte Cassino monastery in Italy in February 1944, during WW-II, and is now living in Pinehurst, NC. Colonel Evans is the author of two books regarding this raid which have been published in Italy. His interesting talk was further enhanced by a slide presentation of actual photographs and maps. The irony of this major action during WW-II was that the Allied Forces thought that the enemy was using the Monte Cassino Abbey as an observation post when actually, it was determined, after the raid, that the enemy was not occupying any part of the abbey and its destruction would probably not have been necessary.

After Colonel Evans' talk, our President Nelson Large, W4FQV, introduced our newest member Wilbur Fulton, W2SE, who resides in Seven Lakes, NC, who was welcomed into our Chapter. The regular business portion of the meeting was then convened. The primary undertaking was election of the current officers who have agreed to carry on in their respective positions during 1990. At right, Colonel Bradford Evans.



The next quarterly meeting will be held in Asheboro, NC on June 2, 1990.

YANKEE CHAPTER 122

Onie Woodward, W1ZEN
14 Emmett St, Marlboro, MA 10752

Yankee Chapter No. 112 held its annual meeting, April 21st at Franklin Manor, West Boylston, Massachusetts. There were 33 members and 10 guests present with 5 of the New England states represented. Only the state of Maine was not represented

Yankee Chapter elected new Officers for the 1990 year. Those elected are:

Leonard Hadley, W1YGG	President
Walter Woodward, W1RCJ	Vice President
Joe Santangelo, N1JS	Activities Manager
Al Fruzzetti, K1JJJ	Net Manager
Onie Woodward, W1ZEN	Secretary/Treasurer

There will be a picnic, July 28th at Yoark, Maine, details for Yankee Chapter Members will be in the June Newsletter - any other QCWA member interested in attending should get in touch with W1ZEN for information.

There will also be a QCWA table and meeting at the New England Division ARRL convention in October. Hope to see many of you at both affairs.

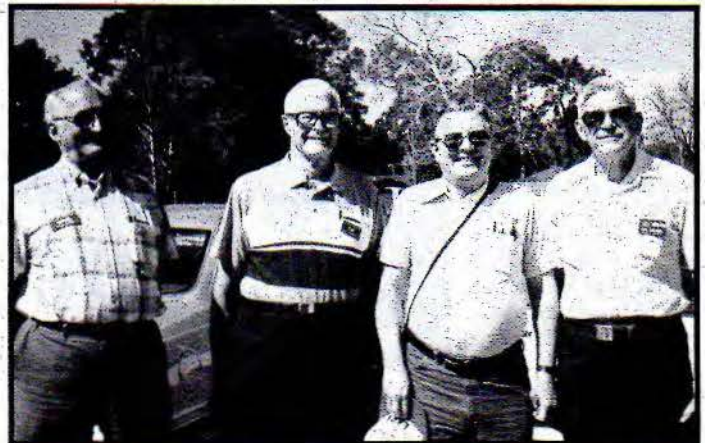
**If you haven't marked and mailed
your QCWA election ballot, mark it and
mail it today - you'll be too busy tomorrow!**

GOLDEN TRIANGLE CHAPTER No173

Paul Branch, K3NON
1407 Lakeview Dr, Tavares, FL 32778

The newly formed Golden Triangle Chapter has gotten off to a good start. The first officers of the Chapter were elected at the February 24th meeting. Elected to office were:

Hal Beaver, W0LYB	President
Herb Gathercole, K1BI	Vice President
Paul Branch, K3NON	Secretary
Luther Wirth, N4COB	Treasurer



Those elected are pictured above, L-R are: N4COB; K1BI; K3NON and W0LYB.

Dues were set at \$6 per year. It was brought up that our chapter has a husband and wife team, both of whom are QCWA and Chapter members. Therefore it was decided to set family dues at \$9 per year.

It was voted and passed that each of our 20 members be assessed a fee of \$3 to purchase a QCWA banner. The Chapter received its new Charter in March. It was voted to permanently display the Certificate in the Lake Amateur Radio Association club house. A board meeting was held on March 16th and a set of by-laws were drawn up to govern our chapter.

Triangle Chapter lost its first member as a Silent Key when, on April 22, 1990, Vice President, Herb Gathercole, K1BI passed away. We were all saddened by his sudden passing. We offered a prayer in his memory.



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CENTRAL FLORIDA CHAPTER 107

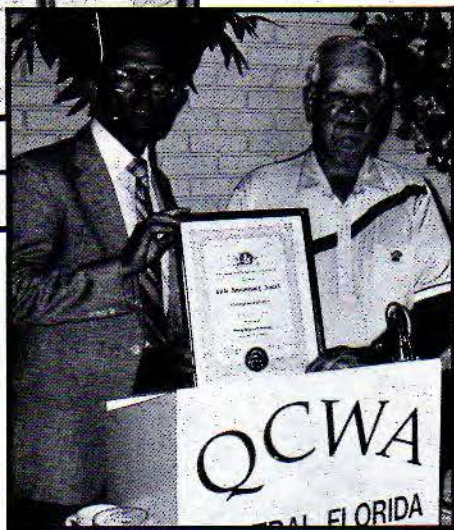
James Gundry, W4JM
2908 Forestgreen Dr, S, Lakeland, FL 33811

We must be doing something right! Our monthly meeting attendance averages 48! A new location, the Sizzler restaurant, US 98N, near I-4, Lakeland, may be the answer. Another reason is that we meet the third Saturday of each month, 12 months a year, at 11:30 AM. Perhaps the prime reason is the fine non-ham topic programs that President Frank La Londe, W4BPL has for us every month. Also, we talk to each other on the air, Saturdays, 9 AM Eastern time, 7243 kHz.

Keynoting the spring meetings were QCWA Golden Anniversary Awards to Svend Gormsen, W4SZ and to Bill Hunsicker, K4DF. Sliding in safely with a 60-year endorsement was Jim Gundry, W4JM.



At left, Frank La Londe, W4BPL, presents the Golden Award to Bill Hunsicker, K4DF and below, Frank has just awarded the Golden 60-Year Award to Jim Gundry, W4JM



While many of our group are elsewhere for the summer, they keep in touch on 14245 kHz, Thursdays at 12:30 PM, ET. Other QCWA members are welcome to check in. Norm Darch, W2HGV, is making an all-out effort to stimulate more activity on 21380 kHz, Thursdays at 1400Z with German Chapter 106. How about more check-ins world-wide on this great informal net!!!

Chapter 107 members reading this are encouraged to develop one new national/chapter QCWA member by the time our regular business meetings start again in September. Meanwhile, we're meeting on our regular schedule for summer social meetings and area QCWA members are invited . . . you'll like what goes on.

EL PASO CHAPTER 64

Robert J. Carroll, K5IE
10025 Suez Dr, El Paso, TX 79925-4636

At the regular February meeting at Wyatt's Cafeteria, Bassett Center, Lela Wilson, WB5HPO was awarded the 55-Year endorsement on her Golden Certificate. Congratulations are also in order for Noel Olmstead, W5URT. Noel was presented his 102 Degree Award for 85 + 17, at the regular April meeting, by

Milly Wise, President of Chapter 64. At the same meeting Norm Young, W1HX, received his 115 Degree Award for 83 + 32.

Jerry McTernan, W5YV, has informed us that Hugh Winter, W5HD, Vice President of QCWA has paid a personal visit to him in March.

We are happy to inform that Larry Wise, W5UYH, is doing much better after suffering a stroke. Larry is the spouse of Milly Wise, W5OVH, President of Chapter 64.

DELAWARE VALLEY CHAPTER 5

Don Field, W2UAE
101 Nenow Rd, Lawrenceville, NJ 08648

Delaware Valley Chapter No. 5 held the spring meeting on April 21, 1990, at Jeffrey's Restaurant on Rte 73, Maple Shade, NJ. A fine luncheon was served at noon, with a total of 47 present. The meeting was begun by Chairman George Van Dyke, W3HK, asking Ceasar Arena, W2SVV, to say grace and then all joined in and sang the Star Spangled Banner.

Following the luncheon, a business meeting was opened with minutes of the previous meeting read, followed by a report by Treasurer, W3QGC. Both reports were accepted. Bob Ray, W5ZMI gave a report on the two chapter nets that operate each week, one on Sunday morning at 9:45 on 3917 and one on Thursday evening at 9 PM on the 146.79 repeater. All members and interested amateurs are invited to join in. Bob reported that both nets are growing but more members would make it better. Since it had not been done as usual, each member was asked to introduce him or herself, and their guests. There was no old business, or new business and the Chairman then turned the meeting over to W3DIP for the awarding of door prizes.

Following the listed activities, the Chairman, W3HK, then introduced the meeting speaker, Kay Craigie, KC3LM, Vice Director, Atlantic Division, ARRL. They are shown in the picture at left. Kay gave a very interesting and informative talk on the various problems that confront ARRL and the amateur world and the need for each amateur to become involved by stating their views to the ARRL and the FCC. We must become involved to protect our amateur privileges. A question and answer period followed and a number of issues were discussed. Everyone enjoyed Kay's fine presentation.



AKRON, OHIO CHAPTER 39

Bill Hessler, W8DXT
3046 Lake Rd, Cuyahoga Falls, OH 44224

The meeting of April 19, 1990 at Sanginiti's Restaurant was called to order by President Hank Freeder, W8VQI. There were 17 members and 15 guests present. After introductions all around, a moment of silence was observed in honor of recent Silent Keys, m Chuck Ports, W8PWA and Hal Tune, W8LZE.

Treasurer Bill Hessler, W8DXT, reported balances of \$287.52 in the bank, and \$15.28 in petty cash, as of April 11, 1990. There being no objections, the next meeting was confirmed to be July 26, 1990 at the same time and place, and with the same menu. After a report of members on the sick list, there was a report by Esther Towne, on XYLS of Silent Keys. She reminded us that we were of the AIDS generation - Band-Aids, Hearing Aids, etc . . .

Following a short intermission, Warren Stark, WA8DFB introduced his wife, who then presented slide pictures, with recorded comments and music,



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about the China portion of their round-the-world trip at the time of the Tianenmen Square demonstrations.

NORTHWEST CHAPTER 4

Albert E. Mowery, N7CT
7912 39th Ave, SW, Seattle, WA 98136

Chapter 4 of QCWA got together at the Lewis & Clark Hotel Dining room at One PM, Saturday, April 28. 68 places were filled by the members and their wives, starting off with a Happy Hour. This was Serve Yourself Dinner. Everyone had their fill of very delicious food, including salad and finally, dessert.

The business meeting was short, consisting mostly of reports from different officers. We were given the news on the impending issue of a Communicator License(No Code). We were concerned with the possible abolition of the novice and Technician licenses and were asked to write to the Commission asking them to not do away with those licenses. It is intended that the new license holders use only the super high frequency bands. It is imperative that we make ourselves heard, otherwise we will be ignored by the Commission when they decide on this matter.

We were treated to a very interesting talk on the art of climbing mountains by a man who has scaled all the peaks in this area. The photographs of the major mountains of the Northwest made me wonder why anyone would want to live anywhere else but in this part of the Country. I have a son who lives in Pennsylvania on the Delaware River. That is all flat country! The only reason he lives there is because of his work!

BALTIMORE CHAPTER 20

Bill Greene, WA4GHU
13902 Sunnybrook Rd, Phoenix, MD 21131

Our annual Baltimore area Spring Banquet was held April 6, at Snyder's Willow Grove Restaurant, with 62 members and guests attending. The evening started with a social hours, giving many of the members and guests an opportunity to renew old friendships. This was followed by a bountiful buffet dinner.

Following the dinner, Chapter President, Bill Greene, WA4GHU opened the meeting with a moment of Silent Prayer in memory of recent Silent Keys; Maynard Briggs, W3HWZ; Howland Schnick, W3VAG; and Mary, XYL of Tom McNulty, W3ZG. A business session followed at which a majority vote approved a change in future Banquet dates from April to May, hoping for better weather conditions. A motion to schedule the banquets on Sunday afternoons did not carry. New officers will be elected and inaugurated at the 1991 banquet. Drawings were held for several door prizes donated by local firms. Ed Martin, W4OBB, of Sutherland, VA was recognized as the member attending from the greatest distance.

Anniversary Awards were the high spot of evening activities. Charles Van Reuth, W3CBP topped with his Golden 75 Year Certificate with pin, as well as the ARRL 50-Year Membership Award. Pictured at right, John, W4HU and Charles, W3CBP with the Golden Award. Ross Kilgore, KS3J, received the QCWA 65 Year Golden Certificate with Lee Apple, W3EE received the 55-Year Golden Certificate. Presentations of the certificates and awards was by John Swafford, W4HU, QCWA National Secretary, by Hugh Turnbull, W3ABC, ARRL Atlantic Division Director; Jack Kelleher, W4ZC, QCWA Director and Ethel Smith,



K4LMB, Former Secretary of QCWA. Charley, W3CBP, gave us some interesting and enjoyable remarks on his experiences in applying for his first ham licenses and operating in those pre-WW-I days!

The evening ended with a presentation by Chesapeake & Potomac Telephone representatives Ed Compher and Pat Fisher on "Future Technological advances in telephone communications - a fascinating program!

Our next social event will be the annual Fall Cookout at the country home of Cam Marie, W3EPR. Monthly luncheons take place at the Timonium Denny's Restaurant (1PM, 3rd Thursday) and in Northeast Baltimore at Denny's on Belair Rd, just off I-495 (1PM, last Wednesday). Xyls are invited to this luncheon. Details are announced on the weekly QCWA net at 9PM Mondays on the TPA repeater 147.285 (out).

PINE TREE CHAPTER 134

Philip Young, W1JTH
47 Longwood Ave, Augusta, ME 04330

The quarterly meeting of Pine Tree Chapter took place at Old Orchard Beach, Maine on March 18, 1990 at the Village Inn Restaurant with 16 members and guests in attendance. A snow storm which was predicted did not materialize but may have cut down on attendance, as some of our members must travel long distances to be with us.

It was urged that anyone who has an opinion regarding the FCC proposal to establish a Communicator Class of amateur license get in touch with their QCWA Director or any of the other officers at once and express their thoughts so that it may be made part of the organization's response.

The president-elect of the Yankee Chapter, Leonard Hadley, W1YGC, and Dolly were guests at the meeting. We wish Len fair sailing in his upcoming term in office.

The Golden Anniversary Award and the Fifty-Years Continuously Licensed Award was presented to Don Winslow, W1JD, by President Stenger. Also the Golden Anniversary Award was presented to Charlie Stenger, W1HTG (pictured at right) by the secretary. Arrangements will be made to present several awards to other members who were not at the meeting, including Golden Anniversary Award and 50-Year Continuous to W1NDC, Bob Ward and to Norm Ring, W1MVD. 55 Year Awards were issued to Ralph Powell, W1BWM; Les Coffin, W1IQO; Don Robertson, W1ITU and, the 60-Year Award to Ernie Bracy, W1BFA.



Following the business meeting, a silent auction of items donated to the chapter featured sales to highest bidder who had previously placed their bids. The proceeds of the sale were added to the chapter treasury.

The next meeting will likely be held in the Bangor area. Place and date to be determined by members of the Board and inserted in the next newsletter. Possibly the meeting can be held June 2nd, in connection with the Bangor Hamfest. This would allow members who wish to attend the hamfest and then meet at noon for the quarterly chapter meeting.

**THIS IS THE YEAR FOR YOU TO ATTEND
THE QCWA NATIONAL CONVENTION
CENTRALLY LOCATED, KANSAS CITY
REGISTER NOW!**



CHAPTER NEWS & REPORTS

EAST TENNESSEE CHAPTER 60

Charles E. Williams, Jr., AA4WX
419 Grandview Dr, Maryville, TN 37801

The Chapter met for its spring meeting on May 12th at Markhill Village in Sevierville, TN. Forty members and guests attended. Following lunch, the meeting was opened by the President with remarks concerning the exceptional contributions to the Chapter by Robert S. Embry, W4HHQ, a Charter Member. Bob had been our Secretary/Treasurer for the past several years and became a Silent Key just two weeks prior to the meeting. A moment of Silent was observed as a tribute and the Invocation by new member Wilbur Hoglen, W4LAD. A plea was made for a volunteer to come forth and agree to become the new Secretary/Treasurer. Other concerns made up a short business meeting.

The program was presented by Mr. John Stanley. John grew up in the area and has become a widely known shortwave broadcast engineer. He served for many years at HCJB, in Ecuador and has travelled extensively in consulting work. He presented and narrated a half-hour video showing both scenery and equipment from the countries of his travels in Europe, Central and South America and the Seychelles Island. The program was enjoyed by all!

ATLANTA CHAPTER 49

Jud Whatley, W4NZJ
2156 Windsor Dr, Snellville, GA 30278

Atlanta Chapter 49 held its spring quarterly meeting at Morrison's Cafeteria on Virginia Avenue on Saturday, March 31, 1990. Neil Foster, KC4MJ, Chapter President presented two awards to Wendell Cushing, K4VN. The first certificate was from Chapter 49 in recognition of his efforts in the 1988 QCWA contest. His second award was Meritorious Award from QCWA National recognizing his many years of work and dedication to the Quarter Century Wireless Association. The picture below recorded the event. Wendell at left, Neil at right.



Chapter 49 is 20 years old. Chapter 49 plans to celebrate the entire year of 1990 with various activities and locally administered awards. All are proud of the momentous event.

The winner of this quarters Chapter 490 QCWA coffee mug "door prize" was Jim Hunt, N4PAL. Steve, KK4PV, Vice President, then presented a videotape on model railroading. The meeting ended about 8:15PM.

CENTRAL ILLINOIS No. 59

John M. Vasicak, W9ZEN
124 North Glen Ave, Oglesby, IL 61348

Fifty-nine members and guests attended the spring meeting of Central Illinois Chapter 59. This meeting was held at the "Ye Old Vilalge Inn", at Tonica, Illinois, March 31, 1990

Newly elected president, Paul LeCocq, W9FEM, welcomed those in attendance with some brief remarks. W9ZEN gave a short prayer, and all in attendance enjoyed the food which was served Buffet Style... plenty of it... and all very delicious and, second helpings were the name of the game.

Following dinner, Paul conducted a short business meeting. Ed Metzger, Central Division Director of ARRL, gave areport on activities at ARRL Headquarters. Two awards were presented to Chapter Members. Ben Frish, W9AUO was presented with the 65 Year Golden Certificate and Lawrence McGuire, W9EHX received the Golden 50-Year Certificate.

Entertainment for the evening was provided by Steve Craig, WD9CIR. A slide presentation of "Visit to Ecuador", a record of his trip, and summer work at the legendary station HCJB, the voice of the Andes. Many of us should remember that station from our SWL days. A very interesting and informative program.



Above, L-R are Paul LeCocq, W9FEM, with Ben Frish, W9AUO and Red McGuire, W9EHX, with their Golden Certificates.

Following the slide presentation, door prizes were awarded and the meeting was adjourned. The fall meeting of the Chapter is scheduled for October 27, in the Bloomington-Normal, Illinois area. Them and place to be announced.

ALLENTOWN-BETHLEHEM-EASTON CHAPTER No. 17

Ray Bilger, W3TDF
1706 State Rd, Coopersburg, PA 18036

Chapter 17 members met on April 21, 1990, in Centre Valley, PA, with 13 members and two guests present. The Chapter now has a total of 42 members!

K3ANS announced the SAREX Shuttle Amateur Radio Experiment and hoped that members might participate at their respective local schools. It was reported that W3PYF and W3VQ were in the hospital. Our wishes for early recovery were extended to both.

A meeting was scheduled for May 19, in Bethlehem!



CHAPTER NEWS & REPORTS

CLEVELAND CHAPTER No. 1

Robert Bloor, W8LYD
24388 Smith Ave, Westlake, OH 44145

On April 7, 1990, the Cleveland Chapter held their Spring meeting at Dimitri's Restaurant in Parma. Over 40 members, their XYLS and Guests were in attendance. As is normal, for a Cleveland Chapter Membership meeting, the QRM was extremely heavy, but with some effort, the Members were able to make many good contacts. The passing of Phil, W8MJT and Stuart, W8RDD was announced. Two new members, John, KA8LII and Steve, W8NZD were introduced to the group.

The main feature of the meeting was a talk on the protection of your automobile from theft by Patrolman Paul Bellito, of the Cleveland Police Department. Patrolman Bellito demonstrated many of the gadgets on the market and discussed the good and bad points of each. His talk was followed by a lengthy question and answer period. Members present consider themselves lucky to have received the valuable information provided by the speaker.

During several of the local Hamfests, the Cleveland Chapter is provided a display table which is manned by the Chapter Officers. At the NOARS Winterfest in Lorain, OH, the Chapter was privileged to be visited by one of the youngest hams in the Northern Ohio area. Shown in the picture at right, Cleveland Chapters Secretary, W8LYD with 67 years in ham radio, and counting, with Lauri, KB8IOK, our 9-year old technician. We all hope, when the time comes (the year 2015) that Lauri will be a member of Cleveland Chapter No. 1!



HOUSTON CHAPTER 27

Thomas P. Boyett, K5EYN
5435 Indigo, Houston, TX 77096

Houston Chapter meeting, held Saturday, March 23, featured the issuance of a Series of QCWA Golden Awards. The following members who were present at the meeting, were honored.



They are pictured above, L - R they are:

J. A. Edinborgh, W5BBK	-	55 Year Golden
James Jeffries, W5EFB	-	55 Year Golden
Roy Bennett, W5AEJ	-	65 Year Golden
Dale Cooper, W5PLE	-	65 Year Golden
Charles Thomsen, W5OP	-	70 Year Golden

Golden Certificates were mailed to a number of members who were unable to attend the meeting:

J. Newell Royall, W5HU	-	55 Year Golden
Donald Larson, W5CQI	-	55 Year Golden
Richard Murray, W5FBJ	-	55 Year Golden
H. C. Kriegel, W5DTX	-	55 Year Golden
David P. Allen, Jr., W5KW	-	55 Year Golden
B. L. Lycaka, W5IYK	-	55 Year Golden
Louis Lechenger, W5YHL	-	55 Year Golden

SOUTHEAST WISCONSIN CHAPTER 162

Robert N. Jensen, W0WLN
5616 Cambridge, #6 Racine, WI 53406

February & March meetings of the Chapter were regular business meetings at the Around-the-Clock restaurant in Racine. Plans were made for a mailing to be made in May to about 70 local Amateurs who are eligible for QCWA membership. Information has been requested from Headquarters on obtaining QCWA Gold Certificates for five members who are eligible. Herman Bielefeld, W9SFK announced he had received a Certificate from ARRL attesting to his having been an ARRL member continuously for over 50 years.

The March meeting was pot-luck brunch at the home of Steve Bellgraph, K9ZL. Chapter members and spouses enjoyed a fine meal and then watched a video tape of the 1989 Chapter Valentine's Day party, taken by Olie Fox, K9AKG.

At the February annual Ham Banquet sponsored by the four Racine Amateur Radio Clubs, Bob Jensen, W0WLN, Chapter Secretary/Treasurer, was honored as the Racine Ham of the Year and was presented a trophy, a plaque and inscribed coffee mug. He was the first local QCWA member to receive the honor.

Ed Westberg, WA9Y continues to maintain his chapter membership even though he has moved to Florida. Chapter members maintain a schedule with Ed at 8:00 AM CDT on 21.380 MHz. Two Chapter members attended the Dayton Hamvention this year and both reported it a very enjoyable experience. Three members took part in a hidden transmitter hunt here on two-meter FM recently, but were unsuccessful in finding the hidden transmitter which used a directional antenna and varied power input. Interest has been expressed in the direction finding proposed by the QCWA Journal Editor for locating interference to emergency communications.

EAST TENNESSEE CHAPTER 60

Charles E. Williams, Jr., AA4WX
419 Grandview Dr, Maryville, TN 37801

The Chapter met for its spring meeting on May 12th at Markhill Village in Sevierville, TN. Forty members and guests attended. Following lunch, the meeting was opened by the President with remarks concerning the exceptional contributions to the Chapter by Robert S. Embry, W4HHQ, a Charter Member. Bob had been our Secretary/Treasurer for the past several years and became a Silent Key just two weeks prior to the meeting. A moment of Silent was observed as a tribute and the Invocation by new member Wilbur Hogen,



CHAPTER NEWS & REPORTS

W4LAD. A plea was made for a volunteer to come forth and agree to become the new Secretary/Treasurer. Other concerns made up a short business meeting.

The program was presented by Mr. John Stanley. John grew up in the area and has become a widely known shortwave broadcast engineer. He served for many years at HCJB, in Ecuador and has travelled extensively in consulting work. He presented and narrated a half-hour video showing both scenery and equipment from the countries of his travels in Europe, Central and South America and the Seychelles Island. The program was enjoyed by all!

GATOR CHAPTER No. 32

Eli Nannis, K4JMH
14996 Imperial Pt Dr N, Largo, FL 34644

There were 40 members and guests at our February meeting. The program was given by Ed Finlayson who gave a talk on bees. Bees have a very special way of communicating with each other. Maybe we can learn some new communication methods from them. Some of our members were so interested that they may go into bee-keeping. Ed showed a slide presentation on his bees.

Hal Johnson, W4GVB, Harry Cole, W4DLL and XYL, Tom Walker, VE3POJ, all had birthdays in February. Treasurer Bill Turner, W2WV and XYL had their wedding anniversary.

Members were advised that the QCWA 40+ Yearbook should be ready soon and that there will be a charge for it.

At our March 3 meeting our speaker was Bob Lamay, from Florida Power Corporation. Bob is a member of the Toastmaster club. His subject was bank examiners con-game, fraud crime and con games against the elderly. He presented a slide show on how the bank examiner's scam is worked. Birthdays this month included Wes Randles, W4COW, Frank Obenauf, W2IAG, Eli Nannis, K4JMH and wedding anniversaries were Harry, W4DLL and XYL - 23 years. Dave and Alice Stocky, K4KE - 49 years. Treasurer Bill Turner, W2WV is home from the hospital after an operation and doing well. President Eli completed the 1990 roster and a copy with membership cards was sent to all members. Members discussed the pros and cons of the no-code license. At our April meeting, there were 36 members and guests. We welcomed 3 new members, Gary Skinner, KF4BE; William Bell, K4AVH and a former member who returned to the fold, Bill Carpenter, N4PEO. Sorry to report that Rex, WB4AFQ is back in the hospital. We are also sorry to report that a former member of Gator and Charter member of Pelican became a Silent Key.

We were informed that Richard Parkins, WA4SYR, is scheduled to be a member of the shuttle launch in May. He will conduct experiments on use of various digital modes of communication. The April program was given by Paul Turner, W1DLP, on development and operation of shortwave broadcast transmitter of what became the Voice of America.

LONG ISLAND CHAPTER 81

Herman Milatz, W2TLC
1836 Gardenia Ave, Merrick, NY 11566

The writer apologizes to the members of Chapter 81 for the mutilated Chapter report appearing in the Spring Issue. It was intended to report on our December meeting at which time we held our annual election. Elected were: Herman Milatz, W2TLC, Chairman; Kate Saul, AE2Z, Vice Chairman; Sid Wolin, K2LJH, Treasurer; Hugo Landerer, W2IGH, Secretary. The Directors are: Arnold Tarallo, W2OEJ; Mark LoBosco, W2YTR; Andrew Cola, W2VZQ; Al Bockelman, K2ES and Ed Piller, W2KPQ. The meeting was graced by the visit of a YL from Poland, SP8ULA. Our speaker was Mr. Alex Mendelsohn, AI2Q, who spoke eloquently on old internationally used telegraph keys and brought a number of them along for display. Seven new members were welcomed into the ranks that evening.

Our February meeting featured Mr. Irwin M. Dresner, W2TRP who spoke on the subject of "Prodigy" system of computer access.

Our April meeting featured Dr. John Loret, Director of the Science Museum of Long Island. A world traveller, he spoke about his trip to the tip of South America and the old cultures in that area. Four new members were welcomed into the chapter that evening.

Because many of our members are unable to reach the 75 meter band on our Sunday morning net due to their most easterly location on Long Island, we have instituted a 2-meter net which covers the entire island and which meets on Fridays at 8:30 on 147.33 MHz. We have contacted some 200 QCWA members informing them of this and inviting them to participate. Success was most satisfying.

Our Ed Piller, W2KPQ, together with Dr. John Loret, Director of the long Island Science Museum are engaged in establishing an exhibit for amateur radio and radio antiquities. Space and financial aid has been made available and a number of influential citizens including amateurs have volunteered their aid. An active amateur radio station is planned as well as courses in radio/electronics for students.

DALLAS CHAPTER 41

Bob Olney, N5NT
1331 Northlake Drive, Richardson, TX 75080

The ever popular annual joint meeting of Dallas Chapter 41 and Tyler (TX) Chapter 54 took place May 18-19 in Tyler, Texas, "The Rose Capital of America." Ed Senur, W5CNO, Chapter 54 Secretary, orchestrated the fine Tyler hospitality and accommodations long a hallmark of this annual event. Entertainment was provided the stout of heart by the song and dance team of Barney Moffatt, W5CJZ and Bob Olney, N5NT who, based upon critical acclaim, have decided not to turn professional.

CAN YOU HELP?

We have received a request for information. Perhaps you can help - "I am trying to find information on an old-timer named Vinton Long. He was the first person to stimulate my interest in Amateur Radio. The following information is all I can remember about him:

He was raised in Boca Raton, Florida, prior to 1926-1927. During the period 1924-1926 he had a radio shop and operated a ham station out of it in Boca Raton; He left Boca to work for Pan-American Airways in communications: he was stationed in Maricao, Venezuela during the late 1920's through the 30's after which he possibly moved to Miami.

Anyone who might know of the whereabouts of Vinton please contact:

Thomas D. Giles, K4GVV
1112 Flower Ave, Panama City, FL 32401

Please advise HQ of any change in address or zip-code, etc., which might keep your mail from being delivered.

We use bulk mailing privileges, and this low cost delivery is not forwarded automatically!



CHAPTER NEWS & REPORTS

NORTH COLORADO CHAPTER 143

Samuel Selders, W0HJX
1626 27th St, Greeley, CO 80631

The annual meeting of North Colorado Chapter 143 was held Saturday afternoon May 5th, in Fort Collins. New offidcers for the ensuing year were installed. A group picture of those attending the meeting below:



Above, L-R are: front row: Rip Van Winkle, NV0M; Gene Worth, W0AGU; Clyde Glass, N0CG; Dale Lindquist, WZ0F; Bud Hayes, W0JFN; and Samuel Selders, W0HJX. Second row: Bude Drake, W0IPT; Ernie Crewdson, KD0FY; Don Maroney, KD0GN; Joan Peters, WA4DPW; Orlo Rotunda, KE0J; Don Linthicum, N0IYH; Bill Richards, N0GVY; Swan Norberg, W0VGR. Back row: Don Reab, KE0IU; Joe Walters, W0GQD; Barbara Glass, WA0GVQ; Wally Dewars, W0TQW; Oliver Mitchell, W0PVM; Bill Malone, W5HIM; Rebob Stockhouse, NQ0X; John Peters, N1ER; Jim Fahnestock, W0OA; Walt Hayward, K0PLD.

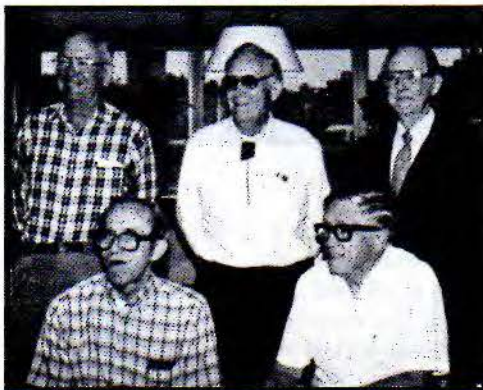
ARK-LA-TEX CHAPTER 85

Robert F. Grambling, WA5WBZ
802 Lark Ave, Shreveport, LA 71105

QCWA ARK-LA-TEX Chapter 85 returned, by acclamation, the officers pictured here ... to their second term in office.

Shown L-R are: standing, John Hitt, N5JH, Director; Virgil Holobaugh, W5LMS, Vice President; Bud Ports,

W5AJS, President; Seated are: Dwight Brown, Jr, W5WE, newsletter editor and Bob Grambling, WA5WBZ, Secretary/Treasurer.



LOOKING BACK

The Old Timer awoke with a tear in his eye
He'd been dreaming again of the days long gone by
Of racks and of panels of regular size
And beams reaching out to some foreign skies
The signals were crisp on the old Collins set
And all his old buddies were there on the net
His DXCC on the wall was displayed
And many old cards now tattered and frayed.
The heat and the glow of the bright 813
And the open-wire feeder outside he could see
The DX a-plenty the sunspots would bring
And all that was needed - a wet piece of string.
On the key of bright brass a CQ he'd send
And back would come China and DX no end.
The note was T9 and no chirp could be heard
At 35 Words he'd miss not a word.
Then he looked at his new transistorised set
With its miniature dials and that modern F.E.T.
He thought again of the days long gone by
And dropped off to sleep with many a sigh.
Who wants all this bright new-fangled gear?
Where are the home-brews of yesteryear?

Milne Buchan, ZS5NZ

Editor's note: This fine original work was sent to us by Milne at the suggestion of Frank, W4AMJ. A warm thanks to both, and please, Milne, favor us again!

UTAH CHAPTER 160

Maryellen Vaughan, KA7ZRW
PO Box 935, Ivins, UT 84738

Utah Chapter 160 had their dinner meeting and election May 2, 1990. The new officers are:

Dick Beckham, W7FVM	President
Doug Butler, W7FSC	Vice President
Maryellen Vaughan, KA7ZRW	Secretary/Treasurer

QCWA Chapter 109, Baton Rouge, who sponsored the 1989 QCWA National Convention, not only gave us an outstanding Convention but, also did it economically.

Baton Rouge Chapter, when the smoke cleared, had managed to accumulate a suplus of over \$500. This fund was donated to the QCWA Building Fund!

It was generally agreed that the Convention in B-R was a very fine affair. Facility was excellent, programs better than that, and the final banquet was one of the best we've seen in more than 20 years of attending such affairs.

Thanks are extended to Baton Rouge, Chapter 109!



CHAPTER NEWS & REPORTS

HARRISBURG CHAPTER 37

R. M. Stenger, W3KRM
Fayetteville, PA 17222

Chapter 37 held its spring meeting Saturday, March 9, 1990 at the Bonanza Restaurant in Camp Hill, PA. We had thirty-four members present. We were pleased there were no Silent Keys since our last meeting. Our treasurer, W2HQA, reported a healthy balance in the treasury and no dues would be needed. Due to a letter writing campaign we added eleven new members to the Chapter at this meeting.

The following officers were elected to serve for the coming year:

Carl Johnson, W3DR	President
Leroy Shreffler, W3PU	Vice President
R. M. Stenger, W3KRM	Secretary
Joe Maco, W3HQA	Treasurer

After lunch and a short business meeting, Brian Greenway, K3WKK, who manages the third call area QSL bureau was our speaker. Brian explained how the bureau operates, and showed slides of the operation. (Now we know why it takes so long to get those cards). After the presentation and a lot of good rag-chewing, the meeting was adjourned until Saturday, June 9, 1990.



Those shown in the picture above, L-R, seated are: K3AM, K3AUS; W3ADE; KR3D; K3AKN; W3EIA; K3SWZ. Second row: W3ABF; W8IJ; W3PLI; K3UKO; W3PU; KV3J; K3IUY; W3FH. Third row: W3DAE; W3BJG; KA3JDG; W3DR.

TREASURE STATE CHAPTER 104

Bob Corbett, W7BC
2032 California, Butte, MT 59701

Treasure State Chapter reports the loss of one of its most active and long-time members with the death of Frank Hazelbaker, W7FTD. Frank played an important role in Montana Politics for over 40 years. He introduced legislation and successfully lobbied for a law making Ham call license plates available to Montana's amateur radio population.

Chapter 104 together with others of his friends have established a memorial in his memory by gifts to the QCWA Memorial Scholarship Fund.

FOUNDERS' CHAPTER 46

David W. Winter, W2AUF
84-26 87 St, Woodhaven, NY 11421-1301

The Founders' Chapter meeting was held at the 14th Street Armory on February 28. After fellowship period dinner was served. The meeting was opened by John, KA2IXW, who gave a run-down of items to be covered. The QCWA Phone section of the QSO Party on March 12, Chapter net on 2 meters and from his new location. The next meeting was scheduled for the UN.

Sid, W2TCR, presented names in nomination for officers and directors as follows:

KA2IXW, Chairman; KC1EZ, Vice Chairman;
W2AUF, Secretary/Treasurer. Directors:
W2LAP; W2DP; W2ICW; WA2KSK; W2TCR; W2KVG;
W2NBT; W2JQS.

membership elected the entire slate, as presented.

WA2BAP, Kitty, of Barry Electronics, was introduced. She gave a history of Barry's from the beginning, dealing in tubes only on Cortland Street, and then added surplus and ham gear, finally adding commercial equipment for communications. Barry and a friend died in a boat accident on Long Island, some years ago. Kitty took over the business and has carried on successfully since that time. Jan Bridge, KB2RV a co-worker then described some new and old items on the market for ham radio use, showing and passing around the room for hands-on-viewing. It was a fine program making for a successful program.



At left, John, KA2IXW with Kitty, WA2BAP and Jan, KB2RV, at the meeting. Below, John KA2IXW presents a Golden Certificate to Sy, W2NBT.





BARNEY'S ANTIQUE EXCHANGE

Managed by Barney Moffatt, W5CJZ

5714 Trail Meadow Dr., Dallas, TX 75230

Barney's Exchange has been a popular feature of the Journal for more than ten years. It's free to QCWA Members

If you would like to advertise for an item, or to trade, or sell an item, write to Barney with details.

He'll get it published in the Journal

Neither QCWA, its' Officers, Directors, General Manager or Barney assume responsibility for misrepresentation or loss. If you have problems, write to us!

WANTED: Information on where a Turner Model S999 Navy Dynamic microphone could be repaired.

W8GDQ

45310 Webster Rd, Wellington, OH 44090

FOR SALE: Elmac A-54 Transmitter with PSA-500 Power Supply; Harvey Wells, TBS-50C Transmitter; Heathkit VF-1 VFO; Heathkit HM-15 Reflected Power meter; Lampkin 105-B frequency meter.

William W. Edwards, K8CSX

582 Sequoia Ln, Mansfield, OH 44904
419 756 8436

WANTED: Radio Amateur World Atlas published by Radio Amateur Callbook, Inc., Editions as follows; 1st, 2nd, 3rd, 4th, 5th, 6th, 8th, 9th & 10th. Needed for historical research and reference and personal library. Please state condition and price. FOR SALE:

TRAC Electronics, Model TE-122 electronic keyer, operates on 9V battery. New, never used - \$45.00; MFJ Model 901 Transmatch, rated at 200 watts, new, never used - \$45.

Rick Nabor, K9GYO

5101 S Lswler Ave, Chicago, IL 60638-3015
312 735 9521

FOR SALE: Millen Grid Dip meter #90652, with carrying case and manual, in new condition - \$100.

John P. Forgacs, W2AAS

1188 N 1100 W, Farmington, UT 84025
801 451 0057

WANTED: Early National Receivers, SW-2, SW-3, SW-4, SW-58, AGS, FB7, FBX, HRO, etc. Johnson Kilwatt, Ranger, Collins 32V2 or 3, KWS-1, 30L-1, RME-9, RE#-9D, PR-15, PR-16. Early Hallicrafters "Skyriders", Howard receivers.

Steve Barnes, K6PFW

848 N Silverwood
Upland, CA 91786

WANTED: McElroy telegraph keys, any model, any condition. Also, EARLY, vintage Vibroplex keys.

John F. Rhilinger, KC1MI
37 Pearl St, Boston, MA 02125
617 825 9763

NEWLY formed Jewish Community Center of Metropolitan Detroit Radio Club is looking for donations of Amateur Radio and SWL equipment for its station. Your donation will be greatly appreciated and acknowledged with a confirmation of your tax deductible contribution.

Allen Olender, WA8IWK
8600 West Maple Rd
West Bloomfield, MI 48033

WANTED: Information about the following receiver: Type CRV-46147, Radio Receiver, 0.5 to 4.0 Mc., 82 lbs, SN2425. A unit of RBB-1 Radio Equipment, Mfd for Navy Department, Bureau of Ships, by RCA. Contract date, 1941.

A schematic or anything would be helpful and will be returned intact to the sender.

Alva R. Davis, W6NT
1971 Mesa Dr, Santa Ana, CA 92707

WANTED: 30S-1 and 30L-1 to complete my 60's S-Line station. Prefer pick-up in California.

Doug Gordon, K6PUN
2215-A Faraday Avenue, Carlsbad, CA 92008

FOR SALE: ICOM 3AT, AC adapter, Leather case, BP3 (2), base loaded ant, tone pad, mic, 'SCANS' little use. \$150 PPD

Lin Hamilton, NJ6Y
1150 Capitol Dr, San Pedro, CA 90732

WANTED: A copy of "Inside the Vacuum Tube" by John F. Rider.

Frank Phillips, W5QPH
1516 GA Hwy 85-C, Brooks, GA 30205

FOR SALE: American Morse Telegraph practice sets, English miniature key, ancient brass keys, wire chief's patch cords, deluxe brand new bugs which won't slide around on your desk, even if it has a glass top. WANTED: W.U. 'Baseball Set' (two compartment blue enamel box with sign reading "Western Union Goes Everywhere"). If you have one, include your telephone number in your letter. Send \$1 for telegraph catalog.

W C Hess, W6CK
Box 19, Pasadena, CA 91102

WANTED: Solid state Lafayette 6-meter rig that replaced the HE45-B. I don't remember its model number. To be used for 6-meter beacon transmitter. Please state price, including shipping.

Jim Foster, NN7K
PO Box 785, Klamath Falls, OR 97601

FOR SALE: Large collection of QCWA - OOTC & SOWP printed material. Sell as a lot. SASE for complete list.

John Alley, W1DMD
48 Judson St, Raynham, MA 02767

WANTED: Collins KWM-2 transceiver and 312B-3 VFO console. Excellent shape only.

Edward H Bill, Jr., W1SPQ
219 Castlewood Cir, Hyannis, MA 02601
508 775 7978

WANTED: Will trade Commodore 64 and AEA PK-64A (latest software and long cable) for late model AEA PK232 or will purchase PK232.

Bob Ideker, WB5VUH
210 Alanbrook Ave, Sherwood, AR 72116

TELEGRAPH Bugs, mid-century paddles, old American manual keys wanted by private collector. Examples of old non-Vibroplex and WW2 hand keys particularly needed. Some ham gear and electronics available for trade for same. Please contact

John Hensley, WJ5J
5054 Holloway Ave, Baton Rouge, LA 70808
504 928 2559

WANTED: Bandswitch for Hammarlund HQ-110 or information on where to get one. Also looking for EBY PCK transmitter

Dean Sever, W8IM
1701 Harcourt Dr, Leesburg, FL 34748

WANTED: Johnson Viking Adventurer transmitter

Charles D. Barton, NZ5M
5800 Plantation Dr, Tyler, TX 75703



BARNEY'S ANTIQUE EXCHANGE

WANTED: Hallicrafters SX-115; Johnson Ranger II.

Alan Gray, W3VL
212 Penn Valley Ter, Yardley, PA 19067
215 295 6331

WANTED - National equipments:
NC-400 communications receiver
Model HFS, VHF receiver, 27-250 MHz
HRO-60 Receiver coil sets "B" & "AD"
HRO Receiver, Dial scale for Coil sets
"E-F", part #P136-9
Current Ballast Tube 4H-4C, (Amperite)

Roger Zaun, W9UVV
4902 W Parkview Dr, Mequon, WI 53092
414 242 4931

WANTED: Original Atari Video game machine with black-jack. Videodisc player. An Italian movie entitled "Divorce Italian Style" on videodisc or film or tape. A few copies of old Hugo Gernsback magazines such as Shortwave Craft. Any magazine containing ads for Midwest radios. A commercially made cat whisker galena detector

Joseph Marshall, K2AU
147 Middleville Rd, Northport, NY 11768

WANTED: HRO-60T table model receiver in excellent, unmodified condx with ABCD coil sets, manual and HRO-60TS table model speaker.

Al Coil, KO9S
607 Countryside Ln, Hudson, WI 54016

WANTED: Collins radio book entitled "The First 50 Years, History of Collins Radio" and, the Radiotron Designer's Handbook, 3rd or 4th edition, 1952, F. Langford-Smith, editor.

Bill Mills, KC5PF
1740 Tony's Court, Amissville, VA 22002
703 937 4090

WANTED: Instruction manual for Collins Receiver, 75S2. Will be glad to pay for it.

James B Reid, W5HGL
656 East Madison St, Houston, MS 38851

WHAT IS DEMOS TO QCWA?

AN EXPLANATION

There have been a few questions raised as to just what QCWA gets in its association with Demos, Inc. Membership is entitled to know just what is involved, and this is a general description.

Demos, Inc., is a wholly owned Texas Corporation established about 15 years ago to accommodate business activities of Ted Heithecker, involved in electronic consulting and field engineering and, in management services for QCWA.

Of prime interest to members of QCWA is just what Demos provides to QCWA in return for the money spent. The following is a brief narrative description of the services rendered to QCWA.

Demos provides an office for the general management of QCWA business. Included are: office space, office furniture, files, desks, lights, storage, etc. Office expenses are covered by Demos - such as, power, heating, cooling, basic insurance. Demos arranges for and pays salaries of any office-help required. QCWA reimburses Demos for office help although Demos remains responsible for reporting, etc. Demos provides all delivery services (car expense) etc. Demos handles QCWA Funds, receiving all QCWA funds and depositing them in designated QCWA Accounts. (Demos cannot write checks on such accounts). Regular accounting of all moneys received are prepared and provided to QCWA officer(s). Demos interfaces membership and QCWA, Inc., setting up suitable computer programming for proper record keeping, for mailing, for preparation of all QCWA Publications, mailing of publications, membership statements, etc. Demos provides the services of Ted Heithecker, W5EJ, designated General Manager of QCWA. Correspondence with membership is handled, in large part by Demos, working under guide-lines established through long contact with QCWA. The arrangement requires and has a strong tie of mutual respect and confidence gained through many years of close association.

In general, the value of materials and services has been broken down by Demos in its Tax filings. The data listed below is from recent filings (1988).

Office Space, approximately 3000 sq ft	\$500/month
Storage space, commercial	#35/month
Electric power & heating	\$200/month
Delivery expense	\$100/month
Office cleaning	\$120/month
Computer usage	\$100/month

For the past several years Demos has paid a portion of office secretarial help, even though this was not a part of agreement. The amount never exceeded \$600, and indeed averaged about \$450. This arrangement will end with December, 1990.

Help, paid by Demos	\$450/month
Present total Demos Expense	\$1505/month
General manager (180 hrs/mo - \$3.00/hr)	\$540/month
Total	\$2053/month

Manpower furnished, general manager, is furnished by Demos in the amount of no less than 7 hours daily, six days per week, for a minimum of:

180 hrs/mo

Demos has, for the years 1977 - 1990 paid for part-time secretarial work up to a maximum of \$600/mo. This is not a part of Demos responsibility and it is expected to be ended with the year 1990. An average of

\$450/month

As a result of this change, beginning January, 1991, the managers stipend will increase by \$450/month to a rate of \$5.50 per hour.

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	23,057	Waller, Alan L	K3TKJ	Hurlock, MD	Walt Brink	W3WPY
	23,058	Hitchcock, Jay J	K8YGH	Lakeland, FL	Jim Gundry	W4JM
01-31-90	23,059	Marquess, H Donal	WB7RNA	Eugene, OR	-	-
	23,060	Douglass, Creel	W4NAH	Mount Dora, FL	-	-
	23,061	Aldridge, David L	W0WT	Lago Vista, TX	Ruth Chance	K5YL
02-02-90	23,062	Willard, Charles	KC4GFV	N Charleston, SC	-	W8FEC
	23,063	Mallette, Arthur J	W2PFA	Riverside, CA	Philip Noble	W2UKA
02-05-90	23,064	Turner, Dale W	K4WJV	Greenville, SC	-	-
	23,065	Wallace, James Ralph	W5VYM	Rogers, AR	-	-
	23,066	Wallace, Clara Jewell	W5VYI	Rogers, AR	-	-
	23,067	Reisinger, Samuel H Jr	WB9FOR	Valparaiso, IN	Ted Hiethecker	W5EJ
	23,068	Anderson, Tom A	WA4YDO	Mayfield, KY	Ruth Chance	K5YL
	23,069	Schank, Frank D	W0VJC	Springfield, MO	Ruth Chance	K5YL
	23,070	Zaun, Roger C	W9UVV	Mequon, WI	Travis Baird	W9VQD
	23,071	Celli, Frederick S	WA1AZR	Raynham, MA	Onie Woodward	W1ZEN
	23,072	Smith, Carroll E	WA4WYE	Anderson, SC	Hal Syptak	KM4FH
	23,073	Woolsey, Jack H	WD6EJJ	Chula Vista, CA	-	K6QM
	23,074	Benner, Michael	N6JJR	Frazier Park, CA	Ruth Chance	K5YL
	23,075	Robinson, William A	W3ROQ	Camp Hill, PA	Glenn Kurzenknabe	K3SWZ
	23,076	Robbins, Jan C	N0JR	Cedar Falls, IA	Ruth Chance	K5YL
02-08-90	23,077	Davis, Robert W	W0DAL	Raytown, MO	-	-
	23,078	Gagatch, Robert	KU2V	Hartsdale, NY	-	-
02-09-90	23,079	Hamilton, Lin	NJ6Y	San Pedro, CA	Ruth Chance	K5YL
	23,080	Skinner, Gary	KF4BE	Clearwater, FL	Eli Nannis	K4JMH
	23,081	Nelson, Eugene L	K4ECL	Rockledge, FL	Wes Randles	W4COW
	23,082	Finlayson, Edwin J	WA2MRB	New Hartford, NY	Don Bice	W4PCO
	23,083	Buus, Robert	W2OD	Holmdel, NJ	Jerry	W2RRX
	23,084	Lackey, Gilbert N	WB6OXF	Wilmington, CA	Ray A Furlong	W6QIL
	23,085	St Andre, George	K1UDP	Braintree, MA	Ruth Chance	K5YL
02-12-90	23,086	Ellis, Albert H	VE3VTC	Brantford, ON	Phil Wharton	VE3RE
	23,087	Evans, Ronald L	K5XK	Fayetteville, AR	-	-
	23,088	Erickson, Keith R	K0GNW	Owatonna, MN	Ken Benner	W0LHV
	23,089	Ayers, John G	WA3DTL	Lake Placid, FL	-	-
	23,090	Sloan, Richard L	W6TTG	Houston, TX	-	-
	23,091	Kohn, Frederick E	WA9OMC	Cottage Grove, WI	-	-
	23,092	Arestad, Arthur T	W8WTL	Tipp City, OH	-	-
	23,093	Snyder, Lawrence R	WA8RRK	Moraine, OH	Doug Horner	W8PH
	23,094	Gaby, Ronald	K4UTL	S Miami, FL	-	-
	23,095	Messimer, Wendell	K4ZHK	Johnson City, TN	Robert S Embry	W4HHQ
	23,096	Harrell, Dale F	KJ4AY	Bradenton, FL	John Phil Menerick	-
02-13-90	23,097	Babinate, Paul J	K0MMS	Sioux City, IA	-	-
02-14-90	23,098	Hauser, Russell H	WA0FFK	Bella Vista, AR	-	-
	23,099	Nye, John W	W1LTG	Lubbock, TX	-	-
	23,100	Staeb, Clarence E	WB2CQO	Chincoteague, VA	Bill Kuning	W3BY
02-16-90	23,101	Field, Eugene R	WB6MSE	Fallbrook, CA	-	W6LKC
	23,102	Wolf, Jeffrey A	WA6DAL	Rolling Hills Estates, CA	-	-
02-19-90	23,103	Gowans, Edith V	KC4BSQ	Starke, FL	-	W4LJL
	23,104	Geib, Charles W	N4AV	Newton, NJ	-	-
	23,105	Hamell, Robert	K9MGF	Taylorville, IL	Ruth Chance	K5YL
03-02-90	23,106	Podpechan, John J	K5JJ	Claremore, OK	Ruth Chance	K5YL
02-20-90	23,107	Dobbs, Paul G	WA8AMW	Canton, MI	-	-
	23,108	Davis, Robert V	K0FPC	Salina, KS	Jim McKim	W0CY
	23,109	Dowling, John W	W0NJD	Loveland, CO	-	-
	23,110	Ash, Leroy S	K3JJK	Harrisburg, PA	Glenn Kurzenknabe	K3SWZ
02-21-90	23,111	Tarver, John W	WA5FQA	Baton Rouge, LA	J Burke Brumfield	K5SNE
	23,112	Perkins, Jan David	N6AW	Brea, CA	Ray A Furlong	W6QIL
	23,113	Gordon, Douglas Milton	K6PUN	Carlsbad, CA	-	-
	23,114	Higgins, James E	ND0F	St Charles, MO	-	-
	23,115	Kauffman, Gilbert	K3ZIJ	Bethlehem, PA	Ray Bilger	W3TDF
	23,116	Martinovich, Steven A	W8NZD	Seven Hills, OH	Clyde	W8QHM
	23,117	Dorman, Douglas E	WA6QCL	Ukiah, CA	Ruth Chance	K5YL
	23,118	Price, Donald R	WA8OSE	Pickerington, OH	Robert Rickett	-
	23,119	Pierce, James W	W1QCL	W Palm Beach, FL	El Charlton	W5MD
	23,120	Aparicio, Leo E	K5BMM	Eureka Springs, AR	Marshall B Turner	K0ADM
	23,121	Perhac, George A	KJ6XP	La Mesa, CA	-	-
	23,122	Holder, George T	K4KGR	Columbia, SC	John R Miller	W0IKT
	23,123	Buyck, David Jr	W4JDK	St Matthews, SC	John R Miller	W0IKT
02-22-90	23,124	Wallace, Arthur L	KC6EYZ	Escondido, CA	Harry Field	W6LKC
02-19-90	23,125	Dannals, Robert F	WB2UZU	Baltimore, MD	Harry J Dannals	W2HD
02-22-90	23,126	Shankweiler, Raymond B	W3FYT	Seaford, DE	-	W3PVO
	23,127	Uneberg, Arne W	WB4FVX	Fort Lauderdale, FL	Ruth Chance	K5YL
	23,128	Williams, Edgar V	WA5MOB	Stinnett, TX	-	-
	23,129	Ruggieri, Joseph L	W5MCH	Albuquerque, NM	-	-

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	23,130	Hertzler, Paul H	W3IWP	Mechanicsburg, PA	Glenn Kurzenknabe	K3SWZ
	23,131	Walker, Ben L	K0AEU	Raymore, MO	Bill McGrannahan	K0ORB
	23,132	Nyiri, Jack P	AB4CR	Nashville, TN	-	-
02-26-90	23,133	Lisle, Donald L	K6IPV	Altadena, CA	Ted Heithecker	W5EJ
	23,134	Clark, James D	KB7VG	Portland, OR	-	K7ZED
	23,135	Green, James A	W9YDP	Butlerville, IN	T R Haley	K9BGU
	23,136	Imhof, John D	N2VW	Nount Holly, NJ	-	K2TD
	23,137	Wood, Bruce A Sr	WA3NIL	West Chester, PA	-	-
	23,139	Gray, William Jr	W3JWH	Milford, DE	Wilbur Haight	W3BKN
	23,140	Bruno, Nick R	K6CWN	Novato, CA	Walter Donahue	W6ITV
	23,141	Munoz, Miguel A	KP4JZ	San Juan, PR	-	-
	23,142	Harbinson, Harry L	K4YJB	Maiden, NC	Hal Syptak	KM4FH
02-27-90	23,143	Kassenbrock, Heinz	DL1PR	Koenigsutter, W Germany	Alex Guenther	DL9RW
	23,144	Null, Robert D	N4QR	Maiden, NC	El Charlton	W5MD
	23,145	Tucker, Joseph G	WA0MTN	Denver, CO	-	-
	23,146	Sigmon, James A	W4ETK	Maiden, NC	Hal Syptak	KM4FH
02-28-90	23,147	Konrad, William L	K1TUK	Niantic, CT	Edward S Eby	KF1B
	23,148	DeGutz, Nathaniel J	W2CXB	Hagerstown, MD	-	-
03-01-90	23,149	Booras, George H	W4GXY	Miami, FL	-	-
	23,150	Bunger, Charles H	W9PCF	Glenwood, IL	-	-
03-02-90	23,151	Underwood, C D	KM4PN	Celina, TN	Ruth Chance	K5YL
	23,152	Nickolaus, Michael	NF0N	South Sioux City, NE	-	-
	23,153	Drake, Donald E	W0DOX	Tipp City, OH	-	-
	23,154	Davis, Charles H	NG0M	Lincoln, NE	Lyle B Quinn	W0US
	23,155	Willis, Jack	W3YQW	Dover, DE	-	W3BKN
	23,156	Stephens, Allan D	N5AIT	Richmond, KY	-	-
	23,157	Freret, L Delery	W4KB	Kendall, FL	-	-
	23,158	Litwin, John A	W5CAP	San Antonio, TX	Ruth Chance	K5YL
	23,159	Hatanaka, Frank	W6EG	Anaheim, CA	-	-
03-05-90	23,160	Ingraham, John	NG8L	Lansing, MI	-	K8DHN
	23,161	Karwacki, Fred	W0OCD	Tavares, FL	-	-
	23,162	Nichol, G Jeff	K6KZF	Agoura Hills, CA	Ruth Chance	K5YL
	23,163	Burrow, R Morgan Jr	WB4BSI	Rockville, MD	John H Mullaney	W3NGJ
	23,164	Nadell, Avrom P	W4NVW	Gaithersburg, MD	Bill Tynan	-
	23,165	Shaver, Benjamin A	AA4XU	Falls Church, VA	John Swafford	W4HU
	23,166	Mairs, Lee	KM4YY	Falls Church, VA	John Swafford	W4HU
	23,167	Cotner, Calvin B	K4JSI	Silver Spring, MD	Carl Gray	-
03-06-90	23,168	Guyton, Charles Wayne	W6VZF	Ventura, CA	Ruth Chance	K5YL
	23,169	Johnson, Dwain	W0CL	Baxter Springs, KS	Ruth Chance	K5YL
	23,170	Hite, Bernie	WA5UCP	Sherman, TX	Ruth Chance	K5YL
	23,171	Workinger, Paul E	W3FWY	Camp Hill, PA	Glenn Kurzenknabe	K3SWZ
	23,172	Wakeland, Frank M	W7KTQ	Springfield, OR	-	-
	23,173	Bishop, Jack J	KW5W	Norman, OK	-	-
03-07-90	23,174	Watson, Conrad J	W6BMP	Novato, CA	-	K6BMW
	23,175	Lund, Arthur E	NQ3A	Curtisville, PA	Ruth Chance	K5YL
	23,176	Stoltz, Stanley N	KJ6WM	Brea, CA	-	-
	23,177	Erickson, Edward F	W2CVW	South Amboy, NJ	-	-
	23,178	Klehfoth, Warren G	W0JP	Cedar Rapids, IA	-	-
	23,179	Foster, Joseph F C	ND3T	Kensington, MD	Ruth Chance	K5YL
	23,180	Ferguson, John S	K3PFW	Georgetown, DE	-	-
03-08-90	23,181	Savarino, David J	K3LHT	Monogahela, PA	Edward C Gammeter	-
	23,182	Blakemore, Robert	N5DGQ	Pipe Creek, TX	-	-
03-08-90	23,183	Pauck, Ted	K8NA	Troy, MI	J Jan Jellema	W8SWN
	23,184	Dority, John A Sr	KB1I	Danielson, CT	Ted Heithecker	W5EJ
	23,185	Brown, William B	W4OUK	Falls Church, VA	John Swafford	W4HU
	23,186	Hoshiko, Michael	W9CJW	Carbondale, IL	-	-
	23,187	Yarnall, Wayne H	W7KRB	Corvallis, OR	-	-
	23,188	Ustaszski, Willie	WA2DUV	Blackwood, NJ	-	-
	23,189	Carson, David P	WA7BTZ	Seattle, WA	-	-
03-09-90	23,190	Fritz, Richard D	WB6AWO	Escondido, CA	Joe Saugier	K6CD
	23,191	Silveira, Joseph A	WA1CSO	Middletown, RI	Blanche Randles	W4GXZ
	23,192	Hitney, Charles	W7IRE	Escondido, CA	Joe Saugier	K6CD
03-12-90	23,193	Duckett, Don A	N9MN	Hickory, NC	Hal Syptak	KM4FH
	23,194	Bell, William A	K4AVH	St Petersburg, FL	Frank Obenauf	W2IAJ
	23,195	Goodwin, James H	AA6JE	Chula Vista, CA	Bob McDonald	KE6UB
	23,196	Martin, James W Jr	K4YFH	Lumberton, NC	-	-
	23,197	Sullivan, Bert W	WZ8Q	New Carlisle, OH	Ruth Chance	K5YL
	23,198	Tusov, James H	WA9LFR	Lisle, IL	Betty Sandberg	W9STR
	23,199	Shisler, William D Sr	W3DHN	Fort Pierce, FL	Wesley Randles	W4COW
	23,200	Mc Allister, Jeanne	W0JJC	Leawood, KS	-	-
03-13-90	23,201	Geissler, Reinhard G	DL1UF	Carefree, AZ	Esther Given	W6BDE
03-19-90	23,202	Tilley, David F	VE3EBT	Ancaster, ON	-	-
	23,203	Smar, Eugene R	AD3F	Rockville, MD	Ruth Chance	K5YL

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	23,204	Di Berardinis	W3TTS	Downingtown, PA	Querino Sbei	W3TTW
	23,205	Michne, William F	KN2Q	Averill Park, NY	Ruth Chance	K5YL
	23,206	Drew, David W	K3DX	Newark, DE	Ruth Chance	K5YL
	23,207	Pace, Thomas J	K7YST	Seattle, WA	Merle Mc Laughlin	W7DNY
	23,208	Campbell, Robert C	WA7RDJ	Olympia, WA	Fleet Ratliff	N7ICG
	23,209	Fisher, H Fred	W57B	Des Moines, IA	Fleet Ratliff	N7ICG
	23,210	Johnson, Walter R	K7VTR	Auburn, WA	Fleet Ratliff	N7ICG
	23,211	Johnson, Gertrude L	K7YDO	Auburn, WA	Fleet Ratliff	N7ICG
	23,212	Thomas, Steven S	N6ST	Los Gatos, CA	Jay O'Brien	W6GO
	23,213	Hamner, John L	N7MQZ	Butte, MT	Ruth Chance	K5YL
	23,214	Bivens, William C	WB4EOK	Plantation, FL	-	W8OXA
	23,215	Zorn, Nicholae D	N4SS	Milton, FL	Milton E Chaffee	W1EFW
	23,216	Shaffer, Lester W	WA3ODU	Shrewsbury, PA	Ray Shaub	W3AXC
	23,217	Peterson, Roger W	W0RGO	Rancho Bernardo, CA	Ruth Chance	K5YL
	23,218	Ciaccia, Jack	WM0G	Boulder, CO	-	-
03-20-90	23,219	Wood, Elmer L Jr	K8ROH	Twin Lake, MI	-	-
	23,220	Kalt, Richard	W1FYI	Westport, CT	-	W2JQS
	23,221	Whitney, Joseph H	W2IYS	Smithtown, NY	Walt Schleicher	WM2Z
	23,222	Layton, Jack	W9UK	Mc Murray, PA	John E Hoffer	W8CWY
	23,223	Morrow, Michael	NJ3Z	Lafayette, IN	Ruth Chance	K5YL
	23,224	Sternitzke, Steve	NS5I	San Antonio, TX	Fred Maia	W5YI
03-22-90	23,225	Armbruster, Robert	N4YCV	Leesburg, FL	Harold E Bean	W0LYB
	23,226	Gallant, Lawrence E	W1ZNM	Derby Line, VT	-	W1SVT
	23,227	Lawson, Robert Winston	WB4BSZ	Pensacola, FL	John Zwaska	W4WKQ
	23,228	Hill, Michael	KB4XQ	Opelika, AL	John Zwaska	W4WKQ
	23,229	Guarino, Alex Jr	WA4OCG	Mobile, AL	John Zwaska	W4WKQ
	23,230	Rhoads, Charles A	WB4CMC	Ft Walton Beach, FL	John Zwaska	W4WKQ
	23,231	Wall, David M	NQ5E	Baton Rouge, LA	-	-
	23,232	Palladino, Robert J	K3SJG	Chambersburg, PA	Marshall Stenger	W3KRM
	23,233	Geller, Nicholas H	KB8ICW	Toledo, OH	Robert M Taylor	W8CBA
	23,234	Bates, Perry C	K3QQA	Dillsburg, PA	Glenn Kurzenknabe	K3SWZ
03-26-90	23,235	Clopton, Gerald M	WA5PAC	Austin, TX	Roy Miller	W5FOZ
	23,236	Mc Kernon, Francis M	W1UOL	West Haven, CT	-	-
	23,237	Mc Aleer, Jay C	WC0R	Papillion, NE	-	W0UQJ
	23,238	Austin, George W	WB4FBD	Vero Beach, FL	-	-
	23,239	Gross, Harold	K6UQC	Thousand Oaks, CA	-	-
	23,240	Gross, Corinne I	N6XHP	Thousand Oaks, CA	-	-
03-27-90	23,241	Dodge, Harold Steve	K6ZR	Richmond, CA	W P Hagestad	W7ENW
	23,242	Trayes, James R	VE3FMT	Toronto, ON	-	-
	23,243	Knappen, Keith	KA8LDS	St George, UT	Bill Vaughan	W7CKD
	23,244	Coultis, Greg J	VE6IC	Calgara, AL	Charles Tyrrell	VE6PV
	23,245	Coppola, Anthony J	WA8FTW	Fairview Park, OH	-	W8OXA
03-29-90	23,246	Starnes, Jimmy Don	K5POA	Fort Worth, TX	Ruth Chance	K5YL
04-02-90	23,247	Pattison, Robert E	KM4DU	Charlottesville, VA	-	-
	23,248	Schleimer, Joseph N	WA8CBP	Cleveland, OH	-	W8OXA
	23,249	Schroeder, Charles E	W2VGI	Jupiter, FL	Stanley Wylyczenko	K4HXB
	23,250	Schuhmacher, Richard H	K15BH	Paris, TX	Ruth Chance	K5YL
	23,251	Coffee, Thomas A	W4PSC	San Antonio, TX	Herb Gleed	W6FQ
	23,252	Smeby, Clifford F	WB6EAK	Long Beach, CA	-	-
	23,253	Vascik, Robert A	WA8AOP	Rosford, OH	Robert A Hanna	K8ADK
	23,254	Carter, E Dallas	K3WUW	Laurel, DE	T Allen Phillips	W3DOG
	23,255	Widell, Carl E	KD0IR	Webster Groves, MO	John Ellison	W0ERZ
04-03-90	23,256	Wiegandt, Karl M	W3CAU	Allentown, PA	Ray Bilger	W3TDF
	23,257	Stott, William P Jr	W4XK	Hixon, TN	Charles Curle	AD4F
	23,258	Clinton, Gordon	K2MUI	Lillian, AL	John Zwaska	W4WKQ
	23,259	Sadler, A J	W6SFW	San Francisco, CA	Ruth Chance	K5YL
	23,260	Farrow, Michael	KD4IY	Burke, VA	Ruth Chance	K5YL
	23,261	Lalmond, Harold W	W1NAZ	Nashua, NH	Guy Bowden	W1BXM
	23,262	Thomas, Norman N	K0QBO	Gladstone, MO	-	W6PCI
	23,263	Hess, Karl IV	WF5A	Las Cruces, NM	Ruth Chance	K5YL
	23,264	McCarthy, Edward Duncan	N5NBI	New Orleans, LA	Stan Pape	AA5PN
	23,265	Marshall, John L	WA7BSR	Kent, WA	Merle McLaughlin	W7DNY
	23,266	Lapenas, Don J	KA1EWX	Maryville, TN	-	-
04-04-90	23,267	Swezey, Franklin D	W1ESV	North Branford, CT	Ruth Chance	K5YL
04-05-90	23,268	Stroman, William J	W5DHK	San Angelo, TX	G H Miller	K4IC
	23,269	Wormser, Owen	K6LEW	Alexandria, VA	-	WA4GHU
04-06-90	23,270	Ohmes, Bernard F	K5DE	Perryton, TX	-	-
	23,271	Costas, Dino	W2WSP	Westbury, NY	-	W2TLC
	23,272	Diekenshied, Richard C	K9BBT	Port Charlotte, FL	Ruth Chance	K5YL
	23,273	Brady, Robert G	K2EB	Severn, MD	-	WA4GHU
	23,274	Bennett, Robert S	W3WCQ	Towson, MD	-	WA4GHU
04-10-90	23,275	Collins, Glenn S Jr	W5KBB	Oklahoma City, OK	Elmo Black	-
	23,276	Merrill, Llewellyn	WB9FBI	Mequon, WI	Travis Baird	W9VQD

CERTIFICATES AVAILABLE

MEMBERSHIP CERTIFICATES numbered in serial order are issued to each member. Numbers are not re-issued except to the same member to whom they were first issued

QCWA GOLD CERTIFICATES celebrate the 50th anniversary of licensing. Issued without charge to eligible members upon proof of year of first license

GOLDEN CERTIFICATE ENDORSEMENTS for the GOLD certificate, in five year increments - 55, 60, 65, 70, 75 year stickers. Free of charge to eligible members.

50-YEAR CONTINUOUS LICENSING Gold certificate available to eligible members. Requires submission of proof licensing. There is a \$5 fee. Applications available from QCWA Headquarters.

QCWA CENTURY CLUB CERTIFICATE is issued to QCWA members whose age, when added to their number of years as a QCWA member, totals 100 or more. No charge for the Certificate

MERITORIOUS AWARD is issued by Headquarters, upon request of any active QCWA Chapter. One such award for each Chapter each year. The Award may be given to recognize unusual dedication to QCWA or Amateur Radio. There is no charge for the Award.

OPERATING AWARD CERTIFICATES

QCWA Operating Award Certificates are issued to QCWA members by the activities manager. Proof of eligibility is required.

QCWA WORKED 50 STATES awards are issued to QCWA members who have contacted members in each state of the Union.

QCWA WORKED 100 MEMBERS awards are issued to QCWA members who have contacted at least 100 QCWA members

QCWA WORKED 60 CHAPTER awards are issued to QCWA members who have contacted members of 60 chapters

QCWA WORKED 500 MEMBERS awards are issued to QCWA members who have contacted 500 QCWA members.

In addition, plaques are awarded to the highest scoring members for both phone and CW QSO Parties. Runners up receive certificates.

MEMBERSHIP SUPPLIES & ORDER BLANK

QCWA Lapel pins, gold plated, with call engraved, clutch, safety-pin or button type. These pins do not have year tags!

QCWA Lapel pins, gold plated, call engraved, with year tags. Specify year (25,30,35,40,45,50,55,60,65,70,75) Clutch type only

All pins, each	\$10.00
QCWA Life member pin	\$5.00
QCWA embroidered emblem	\$5.00
270 QCWA Red stamps (regular)	\$ 2.50
270 QCWA Gold stamps (Life)	\$ 2.50
240 QCWA Yellow Stamps (50-yr)	\$ 2.50
QCWA Logo on rubber stamp	\$ 6.50
QCWA Cap with Logo	\$ 5.00
QCWA Chapter Banner \$200.00	
QCWA pays half of first banner	\$100.00
QCWA Vest, get order blank from Headquarters	\$25.00
QCWA Decals	\$1.00

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